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DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH

WARREN SPRING LABORATORY

THE INVESTIGATION OF ATMOSPHERIC
POLLUTION

Tables of Observations for the Year Ended
31st March 1959

Warren Spring Laboratory
Gunnels Wood Road
Stevenage

TABLE I

SMOKE 1958-59

Measurements made by daily smoke filter

This Table gives the following data for each site:

1. Average of daily concentrations of smoke for each month
2. Average of daily concentrations of smoke over the six summer months
3. Average of daily concentrations of smoke over the six winter months
4. Average of daily concentrations of smoke over the year
5. Highest daily concentration observed in each month
6. Number of days in the year on which the average concentration exceeded 500, 1000, 1500, 2000, and 3000 microgrammes per cubic metre. These figures must be considered in relation to the number of months for which results are available, and which months these are, before comparisons are made.

All concentrations are expressed in microgrammes per cubic metre, $\mu\text{g}/\text{cu. m.}$

T - indicates "trace" i.e. less than 5 microgrammes per cubic metre.

In previous reports (see Introduction) concentrations of smoke were given in milligrammes per 100 cubic metres; these should be multiplied by 10 to convert to microgrammes per cubic metre for comparison with data in this table.

TABLE I. Smoke 1958-59.

Site	Aberdeen	Barnes	Barnsley	Batley	Bedford	Belfast	Bentley
Site No.	1 2 3	1	8 9 10	1	2	11 12	13 14 15 16 17 18
Average Concentration							
April	140	217	210	285	-	216	156
May	140	77	224	224	35	166	129
June	140	24	200	200	35	133	115
July	140	20	150	150	30	112	100
August	70	18	90	160	40	130	120
September	140	40	212	190	110	149	110
October	410	109	342	400	210	201	210
November	300	247	670	670	210	348	380
December	340	310	570	580	260	430	310
January	360	427	710	800	170	448	370
February	130	340	500	440	120	370	280
March	150	158	340	290	120	200	200
Summer	-	66	-	202	-	151	122
Winter	280	273	522	530	180	333	292
Year	-	170	-	366	-	242	207
Highest daily concentration							
April	140	413	210	499	-	542	258
May	140	224	704	476	81	271	279
June	140	58	360	380	80	193	225
July	140	60	300	360	80	280	210
August	140	53	260	300	80	280	190
September	340	100	663	420	110	379	220
October	1030	382	985	1200	280	792	430
November	1140	467	1740	1620	360	938	980
December	1240	702	1230	1390	560	1212	580
January	1030	1693	2270	2890	410	976	1430
February	1240	1100	1600	1210	220	1330	590
March	330	385	600	520	220	430	330
Number of days above							
500 $\mu\text{g}/\text{cu. ft.}$	25	20	79	74	1	27	15
1000 $\mu\text{g}/\text{cu. ft.}$	5	3	13	20	-	2	1
1500 $\mu\text{g}/\text{cu. ft.}$	-	1	4	3	-	-	-
2000 $\mu\text{g}/\text{cu. ft.}$	-	-	1	2	-	-	-
3000 $\mu\text{g}/\text{cu. ft.}$	-	-	-	1	-	-	-

TABLE I. Smoke 1958-59 contd.

Site	Bexleyheath	Bilston	Bingley	Blaydon	Bolton	15	16	17	18	20	21	22	23	Bootle	Bradford	8	
Site No.	1	3	1	1	9	15	16	17	18	20	21	22	23	3	6	7	
Average concentration																	
April	-	56	40	-	201	175	424	239	143	227	197	322	295	-	210	270	230
May	-	54	35	-	180	136	392	219	125	193	164	277	223	-	156	184	210
June	-	37	20	-	178	149	326	200	126	173	169	256	228	-	174	179	188
July	30	50	20	-	121	97	231	150	85	128	116	187	173	-	150	140	130
August	20	80	40	-	160	120	300	200	110	160	140	220	190	-	211	200	210
September	34	129	50	-	211	145	354	200	125	164	185	248	192	-	207	190	220
October	96	363	110	-	206	157	453	305	132	267	182	302	277	-	300	280	320
November	305	320	110	-	475	415	774	490	364	530	453	604	517	230	594	561	659
December	273	350	80	420	409	390	650	410	300	440	408	437	440	430	570	570	660
January	370	350	80	520	487	508	1034	572	465	583	668	793	659	510	660	690	690
February	205	340	70	380	290	350	750	390	270	400	370	500	400	370	402	420	520
March	121	-	60	290	226	298	656	275	180	261	279	414	297	220	318	321	411
Summer	-	-	33	-	175	137	340	201	119	174	162	252	217	-	185	194	198
Winter	228	-	80	-	349	353	723	407	285	414	393	508	432	-	474	474	543
Year	-	-	57	-	262	245	532	304	202	294	278	380	325	-	330	334	371
Highest daily concentration	-	-	96	-	385	373	617	394	311	435	439	527	468	-	400	608	571
April	-	199	85	-	308	263	538	312	335	301	343	431	337	-	392	433	578
May	-	94	71	-	335	362	607	326	293	300	422	453	385	-	294	296	293
June	-	57	60	-	252	270	434	318	166	254	270	325	344	-	320	300	430
July	100	80	110	-	370	420	590	300	320	280	410	440	400	-	310	310	400
August	70	147	100	-	361	298	651	362	258	322	385	389	390	-	470	370	410
September	89	296	100	-	478	361	936	565	328	495	392	502	594	-	630	610	1070
October	228	710	260	-	1078	956	1387	945	1021	1147	1098	1250	1054	590	1636	1554	1836
November	1298	616	300	990	1187	1233	1474	1089	882	1296	1024	987	1141	1000	1690	1880	1860
December	776	881	330	1420	1259	1362	2931	1395	1414	1852	2538	3182	1965	1380	2790	2130	1930
January	1260	889	190	1190	800	1050	1320	900	1360	1180	1160	1410	910	1030	1236	1260	1610
February	678	330	250	710	414	604	1001	541	395	578	515	726	495	500	715	722	930
March	330	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of days above	17	24	-	33	30	37	147	39	21	40	36	58	43	35	55	58	77
500	4	-	3	7	7	8	25	4	6	10	11	14	6	7	13	15	19
1000	-	-	-	-	-	-	7	-	-	2	2	5	2	-	4	4	7
1500	-	-	-	-	-	-	4	-	-	-	1	1	-	-	1	1	-
2000	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-
3000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE I. Smoke 1958-59 contd.

Site Site No.	Bradford (cont)			Brentford	Bromley	Burrley	Camberley	Carnook	Cardiff				
	9	10	11						1	2	9	10	11
<u>Average concentration</u>	12	11	10	1	2	4	1	1	1	2	9	10	11
April	190	122	180	80	50	130	74	153	-	134	-	-	-
May	151	96	151	23	32	120	49	124	-	200	-	-	-
June	170	99	155	-	29	100	60	100	-	-	-	-	-
July	100	60	110	36	29	60	59	90	-	72	-	-	-
August	190	120	180	-	24	80	60	100	-	160	-	-	-
September	130	100	150	54	39	80	60	110	-	100	-	-	-
October	280	140	260	100	130	160	100	120	-	140	-	-	-
November	477	322	588	211	338	500	151	160	-	220	-	-	-
December	560	350	560	195	317	440	140	190	-	200	-	-	-
January	560	300	605	250	375	530	150	190	120	308	240	220	90
February	410	290	430	200	246	270	142	190	100	214	160	150	80
March	313	184	316	90	126	140	80	140	60	109	80	80	40
Summer	155	100	154	-	34	95	60	113	-	-	-	-	-
Winter	433	276	460	174	255	340	127	165	-	199	-	-	-
Year	294	188	307	-	145	218	94	139	-	-	-	-	-
<u>Highest daily concentration</u>													
April	447	319	407	175	150	270	152	285	-	295	-	-	-
May	339	258	397	80	96	200	101	225	-	442	-	-	-
June	340	248	304	-	56	140	95	190	-	-	-	-	-
July	250	160	230	83	79	150	101	190	-	159	-	-	-
August	330	170	320	-	84	110	100	180	-	360	-	-	-
September	260	280	370	130	93	160	120	180	-	280	-	-	-
October	536	360	990	299	394	320	270	230	-	230	-	-	-
November	1139	1561	1557	623	1045	1420	243	390	-	460	-	-	-
December	1670	1020	1660	584	919	1460	330	370	-	470	-	-	-
January	1450	960	1961	890	1163	1370	400	470	270	785	550	550	240
February	1260	970	1360	700	990	850	329	497	290	628	580	550	230
March	599	442	621	200	394	290	180	210	130	246	160	140	80
<u>Number of days above</u>													
500	53	19	57	6	26	34	-	-	-	4	4	2	-
1000	9	4	11	-	3	11	-	-	-	-	-	-	-
1500	1	1	3	-	-	-	-	-	-	-	-	-	-
2000	-	-	-	-	-	-	-	-	-	-	-	-	-
5000	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE I. Smoke 1958-59 contd.

Site Site No.	Cardington 1	Carshalton 4	Castleford 5	Chapelton 2	Chatham 2	Cheltenham 4	Chigwell 1	Chiswick 2	Cleckheaton 2	Clydebank 5	Clydebank 6	Grayford 2
<u>Average concentration</u>												
April	32	46	278	127	-	-	53	-	157	92	161	-
May	10	19	219	117	-	-	36	29	144	72	120	-
June	20	16	186	107	-	-	28	58	107	55	99	-
July	20	19	160	83	30	-	30	40	90	30	60	30
August	10	14	150	80	30	-	30	40	120	60	90	22
September	20	20	170	110	49	-	30	70	150	100	150	44
October	40	63	390	120	110	110	105	132	240	164	187	98
November	70	164	660	220	284	190	268	250	400	410	490	278
December	70	150	530	220	258	200	253	216	340	410	540	257
January	80	140	690	200	300	200	216	290	400	670	780	340
February	60	125	400	180	189	160	228	220	260	350	410	180
March	40	61	320	140	134	90	142	120	180	180	240	110
Summer	19	22	194	104	-	-	35	-	128	68	113	-
Winter	60	117	498	180	213	158	202	205	303	364	441	210
Year	40	70	346	142	-	-	119	-	216	216	277	-
<u>Highest daily concentration</u>												
April	92	88	434	220	-	-	108	-	301	211	367	-
May	40	82	539	217	-	-	63	96	365	136	187	-
June	40	67	355	161	-	-	48	-	270	98	173	-
July	50	51	230	202	60	-	50	140	200	50	130	69
August	30	63	250	160	90	-	70	90	200	110	140	82
September	60	40	470	180	115	-	59	190	390	170	270	117
October	110	189	980	240	466	290	322	349	680	330	320	278
November	130	373	1490	770	920	330	834	698	970	1050	1230	892
December	160	360	840	550	837	500	563	514	720	1180	1330	743
January	200	510	2230	570	930	480	585	1100	1520	2850	2990	1370
February	170	478	820	600	517	450	700	810	640	1800	1640	610
March	90	156	600	280	422	160	413	240	380	420	470	320
<u>Number of days above</u>												
500	-	1	63	5	12	1	11	11	22	36	49	17
1000	-	-	9	-	-	-	-	1	2	10	15	2
1500	-	-	2	-	-	-	-	-	-	4	5	-
2000	-	-	1	-	-	-	-	-	-	3	2	-
3000	-	-	-	-	-	-	-	-	-	-	-	-

TABLE I. Smoke 1958-59 contd.

Site Site No.	Croydon 11	Dagenham 2	Darlaston 2	Dartford 6	Darton 1	Derby 7	Dishforth 1	Doncaster 16	Dundee 6	Dumow 3	Ealing 3
<u>Average concentration</u>	117	97	170	90	153	160	-	252	150	20	90
April	34	49	129	28	133	109	40	271	110	14	42
May	29	37	90	31	122	104	40	289	80	14	64
June	27	40	40	33	110	99	40	267	60	10	47
July	20	40	80	30	110	-	40	124	80	-	47
August	40	40	120	30	110	-	40	290	80	16	70
September	40	40	150	50	130	182	80	250	90	38	122
October	85	140	150	103	150	182	80	370	150	71	230
November	269	390	410	237	290	300	140	602	430	65	330
December	240	280	320	181	270	370	100	430	430	72	320
January	303	290	306	306	280	270	120	499	520	73	313
February	221	266	270	149	210	265	110	335	410	40	160
March	94	110	200	70	160	210	70	260	200	40	160
Summer	45	51	105	44	126	-	-	270	95	-	59
Winter	202	241	278	174	227	261	103	416	357	60	228
Year	124	146	192	109	177	-	-	343	226	-	144
<u>Highest daily concentration</u>	250	190	380	145	279	290	-	350	260	50	271
April	99	188	366	72	289	222	80	377	170	24	147
May	82	55	181	50	181	186	70	532	140	36	144
June	67	90	80	77	230	130	80	428	130	19	158
July	80	80	190	90	170	-	80	620	180	-	140
August	130	150	230	100	230	-	90	460	150	26	160
September	250	210	530	271	360	466	250	790	230	78	317
October	660	1370	960	670	650	670	320	1490	860	173	590
November	576	750	720	524	450	350	230	990	810	173	430
December	986	810	960	1086	890	740	360	2710	1120	173	1381
January	1048	1176	810	455	490	620	270	1020	920	246	1209
February	196	320	400	240	370	330	200	530	440	90	390
March											
<u>Number of days above</u>	17	19	26	9	6	14	-	49	51	-	12
500 $\mu\text{g}/\text{m}^3$	1	2	-	1	-	-	-	9	10	-	2
1000 $\mu\text{g}/\text{m}^3$	-	-	-	-	-	-	-	1	1	-	-
1500 $\mu\text{g}/\text{m}^3$	-	-	-	-	-	-	-	1	1	-	-
2000 $\mu\text{g}/\text{m}^3$	-	-	-	-	-	-	-	1	1	-	-
3000 $\mu\text{g}/\text{m}^3$	-	-	-	-	-	-	-	-	-	-	-

TABLE I. Smoke 1958-59 oontd.

Site	E. Kilbride	Edinburgh	Ellland	Ellesmere Port	Epping	Erith	Eskdalemuir	Exeter	Fakenham	Friern Barnet	Goole
Site No.	1	7	2	1	6	1	3	1	1	1	2
Average concentration	38	169	109	81	70	8	163	14	138	108	138
April	34	109	119	41	30	70	113	113	10	94	108
May	37	119	70	57	40	70	77	10	10	80	94
June	20	70	90	35	30	30	45	10	10	80	80
July	20	130	160	50	30	30	30	10	10	80	90
August	40	300	300	50	50	50	50	10	10	80	80
September	20	330	330	243	80	120	113	20	20	160	160
October	80	350	350	286	220	320	220	40	40	230	230
November	90	350	350	320	190	290	240	30	30	240	240
December	150	250	250	140	250	560	215	40	40	260	260
January	120	180	180	100	190	232	177	30	30	190	190
February	40	180	180	49	100	141	121	10	10	340	120
March	32	115	258	190	42	172	80	11	11	98	98
Summer	83	187	187	120	107	107	181	28	28	200	200
Winter	58	328	279	304	110	35	248	36	36	211	211
Year		200	200	128	170	100	268	30	30	235	235
Highest daily concentration	122	200	200	138	100	100	193	20	20	147	147
April	121	180	180	80	90	130	138	30	30	120	120
May	85	210	210	150	80	100	120	30	30	180	180
June	90	310	310	180	270	120	190	20	20	200	200
July	90	760	760	613	180	276	248	60	60	310	310
August	90	750	750	763	620	1272	490	80	80	510	510
September	80	770	770	960	670	996	462	100	100	520	520
October	380	530	530	688	1350	1350	566	130	130	740	740
November	460	320	320	240	660	767	387	110	110	460	460
December	540	190	190	140	290	336	248	30	30	220	220
January	160	190	190	190	80	19	1	1	1	5	5
February	160	190	190	190	1	3	1	1	1	6	6
March	160	190	190	190	1	1	1	1	1	1	1
Number of days above	1	7	20	19	8	19	1	1	1	34	5
500 $\mu\text{g}/\text{cu. m}$	1	7	20	19	8	19	1	1	1	34	5
1000 $\mu\text{g}/\text{cu. m}$	1	7	20	19	1	3	1	1	1	6	6
1500 $\mu\text{g}/\text{cu. m}$	1	7	20	19	1	1	1	1	1	1	1
2000 $\mu\text{g}/\text{cu. m}$	1	7	20	19	1	1	1	1	1	1	1
3000 $\mu\text{g}/\text{cu. m}$	1	7	20	19	1	1	1	1	1	1	1

TABLE I. Smoke 1958-59 contd.

Site	Grangemouth	Gravesend	Halifax	Hamilton	Harrow	Hayes	Heanor	Heilmshore	Hemsworth	Hendon	
Site No.	1	22	7	1	1	2	1	1	2	2	3
Average concentration											
April	-	-	-	-	79	60	-	74	172	65	74
May	81	-	-	-	64	40	136	67	123	43	47
June	66	-	-	-	61	30	141	76	133	37	58
July	36	30	-	-	30	30	120	36	113	39	63
August	60	20	-	-	50	25	110	30	120	40	60
September	90	50	-	-	60	40	80	30	140	40	80
October	145	103	-	-	110	83	140	30	130	90	130
November	330	305	-	-	200	210	260	47	360	183	228
December	341	260	-	-	190	218	210	169	-	196	317
January	360	340	680	390	170	183	242	141	350	190	300
February	283	253	430	220	170	150	174	140	260	190	340
March	196	134	290	100	130	89	118	83	220	100	140
Summer	-	-	-	-	57	38	-	52	134	44	64
Winter	279	233	-	-	162	156	191	117	-	158	243
Year	-	-	-	-	110	97	-	85	-	101	154
Highest daily concentration											
April	-	-	-	-	132	170	-	156	299	159	149
May	188	-	-	-	136	110	271	134	231	96	95
June	137	-	-	-	142	60	227	139	226	75	138
July	63	60	-	-	80	80	220	95	195	75	178
August	140	100	-	-	110	81	200	80	190	50	160
September	190	120	-	-	140	107	280	60	300	70	210
October	490	233	-	-	360	260	330	107	430	280	300
November	790	925	-	-	380	700	580	368	710	471	680
December	1028	790	-	-	330	418	520	686	-	300	754
January	1030	1120	2070	890	470	676	540	558	810	630	1190
February	816	620	1290	890	410	390	378	320	600	630	1310
March	419	402	730	160	260	202	244	136	320	290	380
Number of days above											
500	18	15	25	12	-	5	4	3	16	3	20
1000	3	1	5	-	-	-	-	-	-	-	4
1500	-	-	2	-	-	-	-	-	-	-	-
2000	-	-	1	-	-	-	-	-	-	-	-
3000	-	-	-	-	-	-	-	-	-	-	-

TABLE I. Smoke 1958-59 contd.

Site Site No.	Hoddesdon 1	Horbury 2	Hornchurch 1	Hornsey 4	Hornsey 6	Hornsey 7	Hoyland Nether 1	Hoyland Nether 2	Huddersfield 6	Huddersfield 7	Huddersfield 8	Ilford 1	Ilford 2	Ilford 3	Keighley 9	Kew 1
<u>Average concentration</u>																
April	108	86	110	245	175	230	150	140	180	140	240	189	70			
May	66	48	66	171	160	170	116	93	60	40	70	186	20			
June	92	29	50	200	143	146	107	70	50	40	60	152	20			
July	21	27	50	150	110	90	80	40	30	20	50	110	10			
August	30	60	50	120	130	80	70	50	40	30	60	120	20			
September	30	100	70	151	126	120	80	60	40	30	50	160	20			
October	60	110	160	247	245	260	220	170	140	100	130	240	100			
November	100	270	280	501	445	778	700	520	390	280	490	470	190			
December	120	230	280	485	419	680	620	475	360	170	330	480	180			
January	130	290	310	490	468	930	740	480	490	260	520	530	240			
February	120	150	250	290	395	540	420	320	350	210	410	350	170			
March	70	100	160	252	189	350	290	240	160	110	220	250	90			
Summer	83	40	72	173	141	139	101	76	67	50	88	153	30			
Winter	192	112	240	378	360	590	496	368	315	188	350	387	162			
Year	138	76	152	276	251	365	300	222	191	119	202	270	96			
<u>Highest daily concentration</u>																
April	179	173	160	413	308	470	350	310	350	300	400	282	150			
May	189	172	130	363	328	510	430	310	150	70	190	312	80			
June	185	49	100	366	258	400	270	175	90	80	140	369	80			
July	150	57	110	300	210	310	230	150	60	50	110	250	20			
August	220	50	130	200	260	170	160	130	80	70	100	180	80			
September	180	43	190	413	279	360	210	220	130	70	180	270	110			
October	320	18	670	694	732	980	860	310	480	200	560	470	280			
November	690	390	670	379	1190	1930	1860	1170	1320	1100	2100	1330	500			
December	500	250	590	896	836	1642	1370	1228	1320	510	1020	1280	510			
January	890	700	850	1784	1090	2760	2580	1270	1320	730	1810	1450	1010			
February	430	630	1020	860	1170	1300	1200	860	1750	1110	1920	600	570			
March	310	290	390	418	418	630	630	500	520	290	720	550	220			
<u>Number of days above</u>																
500	8	6	10	37	37	83	68	44	36	17	29	36	7			
1000	-	-	1	6	7	22	17	7	7	2	8	6	1			
1500	-	-	-	2	-	9	6	-	1	-	5	-	-			
2000	-	-	-	-	-	5	2	-	-	-	1	-	-			
3000	-	-	-	-	-	-	-	-	-	-	-	-	-			

TABLE 1. Smoke 1958-59 cont'd.

Site Site No.	Kingston upon Hull 2	Kingston-upon-Thames 11	Lanarkshire 9 10 11 13	Lancaster 4	Leeds 4	8 18 19 20 21	Leek 1
<u>Average concentration</u>							
April	284	65	-	50	850	125	-
May	197	16	-	37	460	111	-
June	194	21	-	32	380	89	-
July	165	18	-	40	150	86	-
August	174	20	-	30	160	131	-
September	196	40	-	40	170	112	-
October	311	77	-	40	186	150	-
November	640	172	-	122	730	283	-
December	551	148	-	70	600	-	-
January	570	205	760	150	760	-	-
February	290	160	560	100	490	-	-
March	210	88	250	70	380	-	350
Summer	202	30	-	38	362	109	-
Winter	429	142	-	92	570	613	-
Year	316	86	-	65	466	440	-
<u>Highest daily concentration</u>							
April	448	134	-	150	1110	294	-
May	349	57	-	49	870	298	-
June	271	68	-	41	720	195	-
July	289	53	-	80	250	148	-
August	337	70	-	40	240	584	-
September	462	100	-	80	400	340	-
October	809	322	-	160	2540	1039	-
November	1400	350	-	236	1840	2550	-
December	1194	286	-	210	1560	2340	-
January	1890	995	2430	380	4040	1420	-
February	800	665	1780	260	1170	2790	-
March	490	262	420	160	680	1330	-
<u>Number of days above</u>							
500	59	4	2	-	117	3	6
1000	11	-	34	-	24	1	-
1500	1	-	12	-	6	5	-
2000	-	-	7	-	2	3	-
3000	-	-	2	-	1	1	-

TABLE I. Smoke 1958-59 contd.

Site	Leicester	Leigh	Lerwick	Leyton	London Battersea	Bermondsey	Bethnal Green	Camberwell	Chelsea
Site No.	3	3	1	1	2	3	2	3	2
Average concentration	80	367	1	176	111	172	195	80	200
April	40	318	8	73	61	71	145	81	80
May	50	311	T	50	56	61	136	81	110
June	40	339	T	48	53	40	140	76	130
July	40	285	T	70	50	30	-	70	120
August	40	273	10	60	80	60	130	80	160
September	60	320	T	204	157	215	238	150	240
October	130	465	T	500	539	530	540	249	550
November	270	385	T	480	558	520	530	230	510
December	260	560	T	469	609	490	790	280	550
January	320	393	10	428	521	420	745	224	460
February	210	311	10	270	288	220	298	146	290
March	160	316	3	80	69	72	-	78	133
Summer	52	406	3	392	445	399	524	213	433
Winter	225	361	3	236	257	236	-	146	283
Year	139	495	4	340	346	345	263	135	460
Highest daily concentration	80	495	30	161	135	267	257	158	180
April	90	495	20	90	131	93	257	145	210
May	40	495	10	88	175	140	257	133	200
June	50	495	10	130	90	90	-	150	200
July	50	330	50	150	160	140	250	180	240
August	30	495	10	808	376	759	846	289	510
September	220	495	20	1160	1445	1820	1450	558	1290
October	300	1321	20	950	1437	1230	1520	520	1100
November	550	660	40	1205	1734	1560	3803	850	1820
December	500	1651	20	1300	1734	1460	2729	578	1510
January	820	1380	20	605	482	490	809	265	580
February	670	670	20	40	53	43	59	7	49
March	280	29	-	6	7	9	12	-	8
Number of days above	7	5	-	-	2	2	5	1	1
500 $\mu\text{g}/\text{cu. ft.}$	-	1	-	-	-	-	1	-	-
1000 $\mu\text{g}/\text{cu. ft.}$	-	4	-	-	-	-	-	-	-
1500 $\mu\text{g}/\text{cu. ft.}$	-	-	-	-	-	-	-	-	-
2000 $\mu\text{g}/\text{cu. ft.}$	-	-	-	-	-	-	-	-	-
3000 $\mu\text{g}/\text{cu. ft.}$	-	-	-	-	-	-	-	-	-

TABLE I. Smoke 1958-59 contd.

Site Site No.	London (cont)															Deptford			Finsbury		Fulham			Greenwich			Hackney			
	1	9	10	11	12	15	1	2	1	2	3	6	9	2	3	4	5	7	4	5	6	1	2	3	6	9	2	3	4	5
Average concentration	80	91	170	130	40	-	280	371	130	200	-	130	90	101	183	180	240	328	291											
April	30	50	160	70	20	-	110	150	60	60	-	60	50	42	110	70	120	212	195											
May	30	53	100	70	20	-	100	182	70	50	-	50	50	46	105	60	110	187	141											
June	30	51	140	70	30	-	90	205	80	60	-	60	50	48	134	60	80	106	83											
July	30	50	130	100	30	-	80	200	80	40	60	60	50	40	90	50	100	60	50											
August	30	63	90	110	40	-	110	212	90	50	80	60	90	30	100	80	100	67	53											
September	70	110	170	150	90	230	250	264	240	120	-	130	120	110	200	190	310	187	154											
October	210	273	370	290	170	450	580	390	440	377	470	210	260	370	500	440	620	389	355											
November	250	298	380	370	200	450	640	472	440	340	300	210	240	380	580	400	580	367	355											
December	240	385	440	330	260	480	720	560	510	400	380	260	300	630	400	530	600	447	397											
January	220	280	310	410	160	370	540	413	390	360	310	250	230	430	540	370	530	371	337											
February	110	140	210	220	80	230	280	285	220	180	160	170	-	220	310	170	320	210	192											
March	37	60	132	92	30	-	128	220	85	77	-	67	63	51	120	83	125	160	136											
Summer	183	248	313	295	160	368	502	397	368	296	-	205	-	357	422	350	493	329	298											
Winter	110	154	223	194	95	-	315	309	227	187	-	136	-	204	271	217	309	245	217											
Year	130	182	250	190	70	-	570	756	210	340	-	240	160	217	281	370	410	534	495											
Highest daily concentration	130	166	310	190	40	-	220	705	120	170	-	160	150	217	281	150	240	497	356											
April	50	114	210	150	40	-	130	372	140	80	-	90	90	77	173	80	140	315	315											
May	60	124	210	180	70	-	190	537	210	140	-	130	150	126	262	130	180	267	248											
June	40	90	200	180	70	-	110	630	200	90	100	100	110	170	190	120	170	150	120											
July	60	134	190	220	80	-	190	372	210	100	140	120	190	80	230	170	170	183	125											
August	310	510	450	370	280	650	580	760	800	290	-	300	340	300	510	380	1290	838	720											
September	630	1000	1280	680	560	1310	1950	1032	1260	760	920	410	700	740	910	1540	1860	1439	1390											
October	740	791	660	840	640	1100	1700	1321	1010	720	700	560	640	1030	1200	1130	1230	803	851											
November	1090	1723	1430	1490	1080	1710	2600	1870	1770	1540	1450	640	1130	2020	1320	2770	1500	1210	1250											
December	1090	1084	1530	1460	1060	1640	1700	1360	1660	1210	1090	690	640	1320	1320	1340	1700	1430	1350											
January	260	450	400	380	210	560	610	630	460	430	330	320	-	490	580	360	780	500	514											
February	13	21	20	19	9	36	62	58	35	27	30	8	11	34	58	33	58	33	29											
March	2	5	5	3	3	7	14	6	7	3	3	-	2	6	5	10	13	5	4											
Number of days above	-	1	1	-	-	3	8	1	3	1	-	-	-	2	-	2	3	-	-	-										
500	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-										
1000	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-										
1500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
2000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
3000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										

TABLE I. Smoke 1958-59 contd.

Site Site No.	London (cont)					Hammersmith					Lambeth						
	Hampstead 4	Holborn 2	Holborn 3	Islington 1	Islington 2	Kensington 1	Kensington 4	5	6	4	2	6	7	8	9	10	11
<u>Average concentration</u>																	
April	230	121	220	188	132	70	90	173	116	-	200	180	310	130	200	150	-
May	130	80	120	75	65	40	64	165	135	110	120	120	110	90	-	64	-
June	120	-	188	70	60	40	64	164	124	-	120	110	90	90	82	51	-
July	100	-	163	60	40	30	50	150	-	-	100	100	80	90	103	65	207
August	110	90	150	60	60	30	60	-	-	-	100	100	80	80	80	80	70
September	140	100	190	60	70	60	70	-	90	-	150	160	100	110	154	103	162
October	260	139	282	240	230	110	90	-	140	-	270	240	230	220	160	200	230
November	530	297	461	440	450	230	200	-	290	-	510	430	600	330	430	390	520
December	590	380	439	430	480	270	190	-	330	-	560	390	-	370	350	360	480
January	570	420	480	-	550	340	290	550	-	-	610	460	760	390	350	433	470
February	550	312	372	450	380	230	200	530	340	-	470	370	520	330	210	413	517
March	310	114	294	210	220	130	130	330	310	-	270	220	320	190	100	250	180
Summer	138	-	196	86	71	45	66	-	-	-	132	128	128	98	-	86	-
Winter	468	277	388	-	385	218	185	-	-	-	448	352	-	305	267	341	400
Year	303	-	292	-	228	131	125	-	-	-	290	240	-	202	-	214	-
<u>Highest daily concentration</u>																	
April	490	193	320	310	240	136	173	267	165	-	360	300	580	240	390	310	-
May	240	173	317	180	150	150	145	351	231	260	350	320	230	210	-	152	-
June	170	-	330	120	110	80	96	267	217	-	430	210	120	160	165	78	-
July	180	-	239	130	100	140	90	350	-	-	320	300	140	190	206	154	598
August	210	170	250	170	130	80	120	-	-	-	360	270	110	150	200	170	230
September	220	250	450	280	190	150	180	-	230	-	360	350	180	190	373	238	462
October	850	391	638	1130	1060	300	270	-	190	-	700	580	500	640	370	480	768
November	1360	630	939	1470	1280	670	350	-	400	-	1530	1220	1920	1000	1420	1280	1010
December	1470	790	788	940	1060	750	320	-	600	-	1550	820	-	880	760	850	1400
January	1900	1320	2030	-	1640	1400	750	1130	-	-	2250	1730	2180	1330	1210	1420	1680
February	2130	1117	1686	1730	1700	740	600	990	850	-	2000	1490	1720	1170	930	1150	1610
March	900	238	359	580	550	280	250	700	610	-	730	520	620	480	280	490	400
<u>Number of days above</u>																	
500	61	27	35	28	35	14	5	24	5	-	49	32	48	21	25	24	48
1000	15	2	4	4	9	2	-	2	-	-	14	5	10	5	3	5	8
1500	3	-	3	1	4	-	-	-	-	-	6	1	6	-	-	-	2
2000	1	-	1	-	-	-	-	-	-	-	2	-	2	-	-	-	-
3000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE I. Smoke 1958-59 contd.

Site Site No.	London (cont)			St. Marylebone			St. Pancras		Shoreditch	Southwark	Stepney	Stoke Newington
	4	5	6	6	7	4	5	1	3	3	4	3
<u>Average concentration</u>												
April	106	99	102	121	206	318	185	157	150	170	260	249
May	27	33	26	35	81	142	131	99	73	110	-	146
June	22	27	19	26	92	153	148	70	117	90	-	126
July	25	29	20	27	52	158	115	118	129	70	100	144
August	20	20	20	20	50	140	120	170	112	-	110	110
September	30	40	30	40	112	156	152	150	146	90	140	178
October	80	75	69	85	137	213	190	180	228	150	220	242
November	222	240	230	300	469	307	225	242	415	300	500	410
December	285	239	151	308	380	310	280	270	403	370	460	320
January	300	286	181	379	470	351	287	210	508	400	550	512
February	226	199	195	257	291	289	283	230	437	340	400	416
March	130	114	107	154	207	185	206	165	303	210	240	234
Summer	38	41	36	45	99	178	142	127	121	-	-	159
Winter	207	193	156	247	326	276	245	216	382	295	395	356
Year	123	117	96	146	213	227	194	172	252	-	-	258
<u>Highest daily concentration</u>												
April	161	138	155	193	344	523	338	256	210	300	430	340
May	63	65	53	64	275	313	251	178	200	250	-	321
June	29	41	24	35	195	313	246	130	215	140	-	310
July	45	49	35	43	148	313	196	201	306	180	210	333
August	40	40	30	40	130	260	250	310	219	-	170	320
September	50	50	40	50	257	313	251	380	242	210	250	436
October	145	134	133	147	413	523	458	360	463	270	610	1045
November	523	390	370	550	1012	638	593	580	985	590	1320	1410
December	568	616	335	659	862	686	469	520	1006	710	660	889
January	786	756	723	882	2000	1223	798	620	1575	910	1850	1557
February	575	501	455	623	1445	638	1008	476	1270	1430	1450	1490
March	198	165	158	240	474	325	388	290	532	400	570	578
<u>Number of days above</u>												
500 $\mu\text{g}/\text{cu. m}$	12	11	3	21	28	26	6	4	30	26	45	35
1000	-	-	-	-	5	1	1	-	7	1	8	6
1500	-	-	-	-	2	-	-	-	2	-	2	1
2000	-	-	-	-	1	-	-	-	-	-	-	-
3000	-	-	-	-	-	-	-	-	-	-	-	-

TABLE I. Smoke 1958-59 contd.

Site Site No.	London (cont)					Westminster					Woolwich					Longbenton		Luton	Lytham St. Annes
	1	2	3	4	5	6	7	10	11	1	8	9	10	1	2	1	1		
Average concentration																			
April	162	60	82	148	171	93	225	252	236	200	79	58	94	70	115	46	54		
May	91	30	91	87	86	60	153	180	176	210	29	24	30	60	100	17	50		
June	62	28	111	83	94	50	142	213	169	160	24	19	17	70	100	10	40		
July	88	30	118	79	90	40	140	280	170	110	26	-	25	60	70	7	30		
August	80	30	80	80	90	40	90	160	100	90	20	-	23	70	90	6	30		
September	100	40	150	90	100	-	80	140	70	110	34	24	37	110	130	12	50		
October	143	78	315	167	125	140	156	204	170	190	77	72	49	160	150	50	50		
November	260	270	570	320	190	360	320	245	358	390	274	218	174	260	390	150	190		
December	203	180	634	243	196	360	270	280	370	410	220	170	100	330	200	100	190		
January	244	230	751	300	310	410	330	221	476	420	248	224	119	530	180	167	240		
February	201	370	629	240	262	340	312	228	346	320	190	170	139	290	180	150	130		
March	123	110	218	130	160	170	-	-	-	190	80	60	50	230	210	70	90		
Summer	97	36	105	95	105	-	138	204	154	147	35	-	38	73	101	16	42		
Winter	196	206	520	233	207	297	-	-	-	320	182	152	105	300	218	115	148		
Year	147	121	313	164	156	-	-	-	-	234	109	-	72	187	160	66	95		
Highest daily concentration																			
April	240	100	142	225	308	193	406	382	420	420	182	123	187	150	218	145	189		
May	181	110	266	206	171	200	258	353	347	500	96	75	71	170	230	52	130		
June	114	60	266	141	184	110	199	387	289	280	42	55	32	170	190	25	100		
July	177	80	228	148	190	140	280	490	410	210	86	-	81	140	200	19	90		
August	120	80	280	150	170	90	150	280	140	280	110	-	117	150	160	23	160		
September	180	100	340	150	190	-	202	240	150	320	131	78	176	290	290	75	150		
October	482	292	1150	410	340	450	490	448	550	460	252	329	342	780	590	160	200		
November	640	780	1050	1300	440	800	653	698	809	1860	928	654	618	590	770	570	440		
December	390	500	1681	650	375	870	719	593	863	1320	590	700	570	1000	580	250	490		
January	764	1160	2000	920	780	1550	1580	628	1744	1250	1200	925	588	1160	580	869	790		
February	611	1200	2434	662	638	1540	1180	1160	1191	1370	1420	720	553	560	320	660	430		
March	260	260	490	260	300	350	-	-	-	940	390	130	160	780	380	260	240		
Number of days above																			
500	5	17	71	11	9	25	19	14	28	30	11	7	5	31	17	6	4		
1000	-	2	20	1	-	4	4	1	4	7	2	-	-	2	-	-	-		
1500	-	-	6	-	-	2	1	-	1	1	-	-	-	-	-	-	-		
2000	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
3000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

TABLE I. Smoke 1958-59 contd.

Site Site No.	Macclesfield 1	Malden and Coombe 1	Maltby 1	Manchester 9	Merton 2	Morley 3	Mytholmroyd 1	Newburn 1	Newcastle-upon-Tyne 5
<u>Average concentration</u>									
April	192	90	115	258	70	163	89	147	325
May	190	30	75	204	23	129	82	134	170
June	120	20	79	222	29	121	83	131	148
July	100	18	71	177	30	90	60	80	157
August	190	20	60	190	20	100	80	110	-
September	-	30	60	248	40	130	90	176	159
October	270	100	120	318	101	190	130	236	244
November	600	290	230	755	270	450	260	390	611
December	630	290	210	498	300	500	220	310	610
January	670	330	230	1070	360	500	310	370	565
February	440	310	140	560	270	410	160	360	376
March	180	130	100	270	140	310	120	260	340
Summer	-	35	77	217	35	122	81	130	-
Winter	465	242	172	579	240	393	200	200	458
Year	-	139	125	398	138	258	141	165	-
<u>Highest daily concentration</u>									
April	340	200	213	335	150	284	107	361	682
May	290	80	170	533	76	238	158	336	430
June	250	50	158	305	67	153	161	282	280
July	210	43	140	299	100	190	150	160	290
August	360	50	130	345	70	140	140	190	-
September	-	80	240	614	110	270	170	391	410
October	600	310	260	567	314	330	370	656	510
November	1140	740	590	2064	560	1310	520	720	1520
December	1250	670	430	1412	740	1080	480	470	1280
January	1140	820	730	3550	1280	1130	890	790	1340
February	1310	870	400	2350	1090	660	370	770	1170
March	440	260	160	540	350	480	240	310	630
<u>Number of days above</u>									
500 $\mu\text{g}/\text{m}^3$	61	18	3	63	21	43	6	22	59
1000 $\mu\text{g}/\text{m}^3$	17	-	-	23	2	7	-	-	16
1500 $\mu\text{g}/\text{m}^3$	-	-	-	10	-	-	-	-	2
2000 $\mu\text{g}/\text{m}^3$	-	-	-	6	-	-	-	-	-
3000 $\mu\text{g}/\text{m}^3$	-	-	-	2	-	-	-	-	-

TABLE I. Smoke 1958-59 contd.

Site Site No.	Newcastle upon Tyne					Nottingham				Nuneaton			Oldbury			Oldham		
	5	10	1	4	8	9	10	11	1	5	3	9	10	11	3	5	10	11
<u>Average concentration</u>																		
April	770	156	-	-	-	-	-	-	114	-	-	-	-	-	-	-	-	-
May	570	135	69	-	-	-	-	-	62	-	-	-	-	-	-	-	-	-
June	450	149	53	-	-	-	-	-	74	-	-	-	-	-	-	-	-	-
July	570	106	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
August	500	143	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
September	310	217	90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
October	350	291	211	260	40	120	150	-	-	-	-	-	-	-	-	-	-	-
November	800	330	380	660	290	450	520	-	-	-	-	-	-	-	-	-	-	-
December	578	736	410	582	239	353	410	608	-	-	-	-	-	-	-	-	-	-
January	720	-	540	757	275	510	537	766	-	-	-	-	-	-	-	-	-	-
February	320	290	310	500	150	270	300	-	-	-	-	-	-	-	-	-	-	-
March	240	230	130	350	80	150	200	-	-	-	-	-	-	-	205	190	510	330
Summer	505	151	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Winter	501	-	330	518	179	309	353	-	-	-	-	-	-	-	287	-	-	-
Year	503	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>Highest daily concentration</u>																		
April	1450	461	-	-	-	-	-	-	215	-	-	-	-	-	-	-	-	-
May	1050	378	118	-	-	-	-	-	201	-	-	-	-	-	-	-	-	-
June	880	356	131	-	-	-	-	-	101	-	-	-	-	-	-	-	-	-
July	1120	244	110	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
August	690	310	120	-	-	-	-	-	-	-	-	-	-	-	140	-	-	-
September	530	418	230	-	-	-	-	-	-	-	-	-	-	-	173	-	-	-
October	800	844	441	730	260	530	500	-	-	-	-	-	-	-	299	-	-	-
November	1250	906	740	1410	790	1000	1160	-	-	-	-	-	-	-	963	-	-	-
December	1070	1794	1190	1607	594	666	1010	1140	-	-	-	-	-	-	670	-	-	-
January	1520	-	1450	2830	900	2420	1190	2180	-	-	-	-	-	-	1355	-	-	-
February	1060	710	1780	2300	780	1310	1200	-	-	-	-	-	-	-	711	740	1690	-
March	420	479	390	680	250	470	500	-	-	-	-	-	-	-	561	-	660	-
<u>Number of days above</u>																		
500	155	30	35	70	15	30	44	34	-	-	-	-	-	-	22	12	2	12
1000	29	4	9	17	-	5	8	10	-	-	-	-	-	2	-	-	-	2
1500	1	1	1	3	-	1	-	4	-	-	-	-	-	3	-	-	-	1
2000	-	-	-	2	-	1	-	1	-	-	-	-	-	-	-	-	-	-
3000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE I. Smoke 1958-59 contd.

Site No.	Oswestry 1	Otley 2	Oxford 11	12	Pontefract 1	1	Portsmouth 1	2	3	4	Preston 4	Queensbury 1	Ramsbottom 3	Rawmarsh 2	Raxtenstall 1
Average concentration															
April	-	83	105	73	180	90	120	50	100	210	140	260	318	-	-
May	-	93	92	43	160	50	70	30	80	180	118	269	232	-	-
June	-	77	75	31	140	40	30	30	70	-	119	156	234	-	-
July	68	50	40	29	80	50	50	30	50	130	80	100	180	-	-
August	70	60	40	30	180	-	-	50	70	220	100	100	200	-	-
September	99	80	54	50	140	60	-	60	70	230	110	440	240	-	-
October	310	110	100	120	-	140	100	90	150	250	210	220	350	-	-
November	-	210	203	230	-	250	210	140	190	310	340	590	640	-	-
December	510	210	200	200	-	190	-	-	230	295	280	450	570	-	-
January	530	200	247	160	-	160	-	-	180	340	200	470	630	-	-
February	250	180	172	130	-	130	230	-	230	400	260	361	480	-	-
March	-	160	111	50	-	90	180	-	150	286	150	283	320	-	-
Summer	-	74	68	43	147	-	-	42	188	-	111	221	234	-	-
Winter	-	178	172	148	-	160	-	-	-	314	240	396	498	-	-
Year	-	126	120	96	-	-	-	-	-	-	176	309	366	-	-
Highest daily concentration															
April	-	200	199	156	320	210	330	110	240	360	312	453	461	-	-
May	-	239	190	150	270	110	190	50	160	330	294	510	450	-	-
June	-	138	98	47	280	110	80	70	170	-	266	237	414	-	-
July	161	130	110	59	320	110	90	70	110	270	170	180	320	-	-
August	130	140	80	60	340	-	-	120	-	350	210	180	270	-	-
September	340	160	118	100	300	120	-	110	170	340	210	620	480	-	-
October	510	210	260	370	-	340	260	220	570	440	440	610	630	-	-
November	-	460	464	560	-	450	560	230	420	530	730	1244	1420	-	-
December	880	500	370	560	-	560	-	-	330	540	620	4370	920	-	-
January	1050	600	722	510	-	440	-	-	430	540	560	1220	2010	-	-
February	400	340	464	480	-	280	540	-	560	1080	540	790	1160	-	-
March	-	300	216	140	-	170	520	-	320	510	440	423	500	-	-
Number of days above															
500 $\mu\text{g}/\text{cu. m}$	21	2	2	3	-	1	3	-	3	25	8	60	65	65	33
1000	1	-	-	-	-	-	-	-	-	1	-	8	10	10	9
1500	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-
2000	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-
3000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE I. Smoke 1958-59 contd.

Site Site No.	Reading 9	Ripon 1	Rochester 3	Rothwell 2	Saddleworth 1	Sale 4	Salford 2	St. Helens 7 12	Seaton Valley 1	Settle 1
<u>Average concentration</u>										
April	-	-	-	142	125	240	387	137 250	137	13
May	27	-	-	109	72	160	345	134 170	94	16
June	25	96	-	91	80	140	303	194 160	88	14
July	22	70	30	90	65	120	250	138 120	49	10
August	20	90	30	90	100	100	230	111 110	90	10
September	40	120	50	90	60	120	320	178 170	130	20
October	50	160	80	210	120	214	497	246 200	192	20
November	100	250	224	310	210	610	1024	565 470	282	30
December	80	240	170	430	180	-	927	550 420	220	30
January	120	240	230	490	240	618	1012	549 580	280	30
February	101	200	147	260	140	279	629	322 310	236	20
March	50	160	88	180	80	110	390	440 220	140	30
Summer	-	-	-	102	77	147	306	149 163	98	14
Winter	84	208	157	313	162	-	747	440 367	225	27
Year	-	-	-	208	120	-	527	295 265	162	21
<u>Highest daily concentration</u>										
April	-	-	-	236	250	400	562	397 570	286	29
May	83	-	-	238	140	370	529	376 360	242	48
June	52	163	-	169	180	310	536	454 410	165	33
July	75	110	110	210	128	450	480	357 340	150	30
August	70	160	80	180	120	330	450	392 450	150	40
September	100	170	110	230	170	260	527	464 420	350	50
October	150	380	336	740	280	466	831	426 500	762	70
November	240	460	578	550	460	2170	3025	1806 1170	549	110
December	170	380	449	940	530	-	1983	1427 1060	650	100
January	320	620	950	1560	720	1754	3150	1783 1530	662	110
February	263	380	441	730	470	1341	1880	1252 1180	649	90
March	110	230	256	500	180	260	670	660 520	520	90
<u>Number of days above</u>										
500	-	1	5	24	3	30	123	62 43	10	-
1000	-	-	-	2	-	11	35	9 9	-	-
1500	-	-	-	1	-	2	16	2 1	-	-
2000	-	-	-	-	-	1	6	-	-	-
3000	-	-	-	-	-	-	2	-	-	-

TABLE I. Smoke 1958-59 contd.

Site	Sheffield	2	6	8	32	36	37	38	39	40	41	42	44	45	46	47	48	49	50	51	52
Site No.																					
Average concentration		110	130	214	160	250	210	250	190	240	160	220	100	100	90	330	110	210	130	220	150
April	60	90	190	80	130	110	180	180	120	130	190	180	30	30	50	250	90	90	50	160	100
May	60	100	190	110	130	140	170	170	120	140	160	170	60	30	110	250	100	110	80	130	130
June	40	60	160	70	70	100	100	100	70	90	110	120	60	-	80	190	60	60	50	90	80
July	30	65	170	90	50	70	80	90	80	70	120	107	64	-	70	175	75	33	17	-	100
August	60	76	200	70	70	80	80	90	100	60	130	137	61	-	74	172	75	90	31	138	90
September	130	320	200	180	260	270	220	220	300	210	240	390	260	-	210	410	240	360	270	400	300
October	460	660	530	570	730	540	660	660	660	640	470	860	630	260	570	970	380	700	660	680	630
November	410	530	450	620	840	730	730	730	710	770	550	630	530	-	500	790	460	590	510	670	560
December	490	600	580	790	940	580	540	540	830	800	520	770	530	-	440	840	540	700	620	670	580
January	270	460	430	480	610	430	430	570	530	540	490	620	320	-	400	640	340	590	430	610	440
February	180	310	320	300	440	350	400	400	380	390	360	440	230	-	250	-	260	450	300	540	330
March																					
Summer	60	87	187	97	112	118	118	147	113	122	145	156	63	-	79	228	85	99	60	-	108
Winter	323	480	418	490	637	442	442	587	568	558	438	618	417	-	395	-	370	565	465	595	473
Year	192	284	303	294	375	280	280	367	341	340	292	387	240	-	237	-	227	332	263	-	291
Highest daily concentration		490	330	322	520	770	500	460	580	450	310	440	260	620	400	720	270	550	460	350	330
April	310	310	280	370	290	360	360	330	340	320	370	520	120	110	150	590	250	260	250	320	310
May	330	290	240	440	330	290	290	360	310	260	390	500	220	90	240	440	280	280	420	300	260
June	250	190	250	280	370	350	350	330	390	340	350	320	190	-	250	490	150	320	310	370	280
July	140	210	230	190	170	130	130	240	170	130	260	210	170	-	134	280	140	160	100	-	190
August	250	250	270	240	250	260	260	310	240	210	270	370	280	-	190	520	210	360	170	360	360
September	830	1100	430	1160	930	830	830	580	720	720	620	880	780	-	730	1120	600	890	780	1100	760
October	2300	1960	1760	2870	2590	1800	2490	2440	2440	1510	2300	2440	1230	-	2620	3150	1230	2520	3120	1490	1830
November	1120	1090	1190	1560	1930	870	870	1180	1620	1690	1140	1260	1110	-	1420	1380	870	1580	1470	1310	1190
December	1590	1730	3120	4750	2810	1630	3470	2330	2330	2310	1420	3530	1310	-	1290	2410	2020	1470	1850	2100	1660
January	870	1330	1120	1690	1730	1510	1850	1290	1290	1620	1290	1610	1110	-	1540	2060	1120	1510	1590	1360	1190
February	700	860	430	690	900	940	940	1000	640	790	590	640	440	-	440	-	570	1000	860	770	670
March																					
Number of days above		37	64	38	51	90	45	75	75	72	61	90	43	4	41	98	36	86	53	101	60
500	10	16	8	16	28	8	8	27	20	24	7	20	6	1	9	30	8	18	14	11	12
1000	4	4	4	7	11	3	3	10	7	7	1	8	2	-	3	13	1	4	6	2	3
1500	1	-	1	4	4	-	-	4	3	3	-	4	1	-	1	5	1	1	1	1	-
2000	1	-	1	4	5	-	-	4	3	-	-	4	1	-	-	1	-	-	1	1	-
3000	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	-	-

TABLE I. Smoke 1958-59 contd.

Site No.	Sheffield (cont)												Siddcup 3	Slatthwaite 2	Southall 6		
	53	54	55	56	57	58	59	60	61	62	63	64				65	
<u>Average concentration</u>	300	150	170	100	140	330	140	30	250	-	-	-	-	-	109	-	-
April	190	60	120	90	70	220	70	10	160	-	-	-	-	-	89	-	-
May	220	93	100	100	110	190	110	14	190	146	19	-	-	-	98	-	-
June	190	70	70	-	90	180	90	10	140	90	20	-	-	20	107	-	-
July	178	51	63	-	86	-	86	5	120	80	3	-	-	20	100	-	-
August	173	73	86	97	196	73	102	15	151	117	11	49	-	30	160	-	-
September	460	230	350	310	410	320	320	60	410	310	110	120	68	150	150	-	-
October	860	580	660	700	730	-	-	100	790	610	460	220	238	330	330	-	-
November	740	540	610	580	550	640	-	90	710	590	330	220	208	340	340	-	-
December	960	510	630	650	510	770	-	80	830	530	320	200	300	290	290	406	-
January	620	380	340	470	460	560	-	100	530	540	290	-	174	210	310	406	-
February	450	280	300	330	310	450	-	50	400	450	150	-	86	160	174	310	-
March	209	83	102	-	-	-	100	14	169	-	-	-	-	111	174	174	-
Summer	682	420	482	507	593	-	80	80	612	507	277	-	179	247	-	-	-
Winter	446	252	292	-	-	-	47	47	391	-	-	-	-	179	-	-	-
Year	520	360	290	380	340	510	470	90	450	-	-	-	-	222	-	-	-
<u>Highest daily concentration</u>	360	120	330	310	160	360	280	100	430	-	-	-	-	232	-	-	-
April	440	210	210	270	230	370	250	50	320	380	130	-	-	159	-	-	-
May	430	310	360	-	450	330	310	60	430	400	160	-	60	231	-	-	-
June	290	150	140	-	-	-	170	50	200	169	60	-	60	190	-	-	-
July	420	280	210	330	260	360	274	70	280	407	90	134	80	190	-	-	-
August	1120	660	870	940	640	770	1260	380	1140	770	680	390	208	370	-	-	-
September	2610	3040	1890	1890	2230	2020	-	310	2190	1900	2780	700	777	370	-	-	-
October	1240	1210	1200	1160	1430	1140	-	260	1480	1570	1440	730	674	1290	-	-	-
November	4450	1420	1760	2740	1450	3020	-	280	2580	1390	1040	400	1340	900	-	-	-
December	1690	1330	850	1410	1630	1460	-	230	1470	1660	1510	-	710	410	-	-	-
January	880	420	540	810	560	690	-	130	690	680	330	-	294	270	-	-	-
February	107	42	67	65	56	92	2	-	89	78	25	3	14	12	13	-	-
March	25	9	13	16	13	15	1	-	20	9	8	-	2	1	1	-	-
Number of days above	8	3	3	5	3	4	-	-	5	4	3	-	-	-	-	-	-
500	4	1	-	2	1	2	-	-	2	1	1	-	-	-	-	-	-
1000	1	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
1500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE I. Smoke 1958-59 contd.

Site	Thorne	Tottenham	Tynemouth	Wakefield	Wallsend	Walsall	Waltham Holy Cross	Walton le Dale	Wanstead
Site No.	1	3	1	12 13 14 15	2	1 11	4	1	1
Average concentration	117 79 78 70 70 90 130 230 210 250 180 110	70 50 40 30 50 40 100 310 330 340 260 140	179 123 120 51 110 170 282 594 379 387 380 286	150 147 120 101 110 127 297 680 510 660 340 230	290 253 219 197 199 412 811 710 840 520 370	299 228 215 140 200 280 385 650 500 596 477 371	148 107 101 85 90 100 170 290 270 288 248 152	171 128 124 79 100 130 153 296 270 370 387 229	171 128 124 79 100 130 153 296 270 370 387 229
Highest daily concentration	84 185 135	47 247 147	126 385 256	126 453 290	227 497 362	105 236 171	255 203 164 126 170 160 423 710 470 769 643 250	330 251 221 176 200 200 292 530 595 1120 918 426	122 284 203
Number of days above	2	20	44	67 95 28 41	65 8 2 1	8	7	13	19
µg/cu.m	500 1000 1500 2000 3000	4 -- -- -- --	4 -- -- -- --	16 23 3 6 5 9 -- 1 1 2 -- --	8 8 2 1	-- -- -- --	-- -- -- --	-- -- -- --	-- -- -- --

TABLE I. Smoke 1958-59 contd.

Site No.	Warrington 8	Wednesfield 1	West Bromwich 12	Wetherby 1	Widnes 1	Willenhall 1	Willesden 8	Witham 2	Wolverhampton 3
<u>Average concentration</u>									
April	278	130	216	75	-	586	197	45	34
May	204	101	152	61	-	498	56	30	24
June	175	98	133	58	-	380	48	19	24
July	180	60	130	40	-	300	40	20	21
August	160	-	100	50	-	380	30	20	26
September	240	-	141	50	-	350	50	30	40
October	275	171	246	110	-	400	106	40	48
November	530	320	430	170	-	440	325	120	120
December	590	390	370	160	-	429	290	110	130
January	700	430	379	170	-	586	370	97	110
February	471	290	305	150	-	305	310	87	75
March	247	180	193	110	210	180	122	-	53
Summer	206	-	145	56	-	416	70	27	28
Winter	469	297	320	145	-	390	254	-	89
Year	338	-	233	101	-	403	162	-	59
<u>Highest daily concentration</u>									
April	487	255	370	129	-	1110	456	106	67
May	520	206	314	122	-	834	159	93	90
June	389	220	280	138	-	836	137	31	50
July	360	111	270	70	-	570	120	40	53
August	350	-	270	100	-	770	100	40	62
September	530	-	271	130	-	720	110	50	70
October	517	476	550	410	-	1172	340	80	177
November	1766	600	923	390	-	1450	1219	230	400
December	1346	730	930	330	-	1124	750	240	310
January	1490	1380	1304	480	-	1810	1700	210	400
February	1127	740	925	400	-	807	1600	332	299
March	518	310	460	330	510	480	300	-	100
<u>Number of days above</u>									
500 $\mu\text{g}/\text{cu. m}$	65	19	28	-	1	89	19	-	-
1000	14	1	2	-	-	10	3	-	-
1500	1	-	-	-	-	4	2	-	-
2000	-	-	-	-	-	-	-	-	-
3000	-	-	-	-	-	-	-	-	-

TABLE I. Smoke 1958-59 contd.

Site Site No.	Wombwell 1	Woodford 1	Yeaddon 1	Viewsley 1
<u>Average concentration</u>				
April	243	110	119	63
May	171	50	129	20
June	198	40	119	30
July	140	80	105	30
August	160	-	118	-
September	180	50	175	1
October	290	120	216	-
November	590	300	330	-
December	490	340	270	-
January	610	380	348	-
February	390	320	220	-
March	260	150	150	-
Summer	182	-	128	-
Winter	438	268	256	-
Year	310	-	192	-
<u>Highest daily concentration</u>				
April	431	190	200	151
May	385	110	203	110
June	349	80	167	80
July	310	170	181	90
August	370	-	217	-
September	520	130	271	20
October	710	320	551	-
November	1330	1080	890	-
December	810	780	870	-
January	2420	1060	1355	-
February	950	1080	670	-
March	470	470	310	-
<u>Number of days above</u>				
500	57	21	11	-
1000	8	2	1	-
1500	2	-	-	-
2000	1	-	-	-
3000	-	-	-	-

TABLE II

SULPHUR DIOXIDE 1958 - 1959.

Measurements made by daily volumetric instrument using hydrogen peroxide.

This Table gives the following data for each site:

1. Average of daily concentrations of sulphur dioxide for each month.
2. Average of daily concentrations of sulphur dioxide over the six summer months.
3. Average of daily concentrations of sulphur dioxide over the six winter months.
4. Average of daily concentrations of sulphur dioxide over the year.
5. Highest daily concentration observed in each month.
6. Number of days in the year on which the average concentration exceeded 500, 1,000, 1500, 2000, and 3000 microgrammes per cubic metre. These figures must be considered in relation to the number of months for which results are available, and which months these are, before comparisons are made.

All concentrations are expressed in microgrammes per cubic metre, $\mu\text{g}/\text{cu.m.}$

In previous reports (see Introduction) concentrations of sulphur dioxide were given in parts per 100 million, by volume; these should be multiplied by 28.6 to convert to microgrammes per cubic metre for comparison with data in this table.

TABLE II. Sulphur dioxide 1958-59.

Site	Aberdeen	Barnes	Barnsley	Bedford	Belfast	Bexleyheath
Site No.	1 2 3	1	8 9 10	2	11 12 13 14 15 16 17 18	1
Average concentration						
April	177	137	120	117	186	186
May	177	69	160	123	106	106
June	177	69	154	117	86	86
July	177	54	106	123	69	69
August	177	34	120	117	74	74
September	177	89	160	123	94	94
October	177	123	212	172	126	126
November	177	277	449	229	206	206
December	177	206	426	237	249	249
January	177	292	429	312	337	337
February	177	289	372	277	269	269
March	177	126	220	180	203	203
Summer	177	75	351	234	102	102
Winter	177	249	353	234	232	232
Year	177	147	353	234	167	167
Highest daily concentration	177	265	340	117	325	325
April	177	309	295	123	169	169
May	177	180	252	140	140	140
June	177	157	340	117	106	106
July	177	92	297	140	109	109
August	177	300	601	784	197	197
September	177	389	601	365	249	249
October	177	460	1241	352	529	529
November	177	478	1310	675	601	601
December	177	1104	1387	675	724	724
January	177	795	1587	715	658	658
February	177	217	975	277	581	581
March	177	217	418	277	260	260
Number of days above						
500	5	7	35	9	8	18
1000	3	1	4	1	7	4
1500	3	1	4	1	7	4
2000	3	1	4	1	7	2
3000	3	1	4	1	7	2

TABLE II. Sulphur dioxide 1958-59 contd.

Site Site No.	Bolton									Blaydon									Bradford								
	9	15	16	17	18	20	21	22	25	1	4	15	16	17	18	20	21	22	25	5	6	7	8	9	10	11	12
<u>Average concentration</u>	310	86	257	140	109	154	157	308	220	-	-	-	-	-	-	-	-	-	-	340	480	220	220	159	148	167	140
April	295	57	240	143	109	140	146	257	174	-	-	-	-	-	-	-	-	-	-	246	217	183	174	149	152	152	129
May	400	123	266	152	120	129	154	249	192	-	-	-	-	-	-	-	-	-	-	214	205	174	123	123	129	114	114
June	438	74	174	109	74	152	100	174	143	-	-	-	-	-	-	-	-	-	-	172	172	117	114	86	114	114	86
July	521	74	223	149	74	106	86	189	140	-	-	-	-	-	-	-	-	-	-	143	143	114	114	86	86	86	114
August	555	112	260	152	97	106	114	240	154	-	-	-	-	-	-	-	-	-	-	200	200	172	172	114	143	143	114
September	369	129	326	235	134	200	137	325	249	-	-	-	-	-	-	-	-	-	-	286	286	143	143	143	286	172	172
October	592	366	595	415	337	398	420	738	452	-	-	-	-	-	-	-	-	-	-	652	652	546	546	452	337	480	466
November	583	372	601	400	317	355	360	652	438	-	-	-	-	-	-	-	-	-	-	661	666	403	403	336	283	449	403
December	758	535	835	543	572	418	598	907	592	-	-	-	-	-	-	-	-	-	-	849	784	458	412	412	315	486	412
January	543	380	618	355	326	289	358	546	389	-	-	-	-	-	-	-	-	-	-	655	741	483	418	418	409	506	438
February	435	235	432	209	180	186	192	386	232	-	-	-	-	-	-	-	-	-	-	372	386	269	269	183	174	246	217
March	420	88	237	141	97	131	126	236	171	-	-	-	-	-	-	-	-	-	-	219	236	163	163	120	128	132	116
Summer	550	336	568	360	311	308	344	592	392	-	-	-	-	-	-	-	-	-	-	592	586	384	384	332	301	390	351
Winter	485	212	402	251	204	220	235	444	282	-	-	-	-	-	-	-	-	-	-	406	411	274	274	226	214	261	234
Year	540	250	400	243	289	335	355	530	375	-	-	-	-	-	-	-	-	-	-	570	1200	500	500	286	270	283	248
<u>Highest daily concentration</u>	466	226	352	257	269	289	340	455	257	-	-	-	-	-	-	-	-	-	-	460	475	395	306	306	303	317	300
April	646	260	452	269	240	209	297	383	263	-	-	-	-	-	-	-	-	-	-	383	358	332	214	232	214	243	235
May	595	183	323	226	152	189	214	315	269	-	-	-	-	-	-	-	-	-	-	286	286	229	172	172	172	172	172
June	744	186	335	240	166	189	194	343	229	-	-	-	-	-	-	-	-	-	-	200	200	172	172	172	143	172	172
July	944	269	403	303	237	189	315	452	300	-	-	-	-	-	-	-	-	-	-	315	257	343	200	200	200	172	172
August	589	480	992	623	317	503	337	658	558	-	-	-	-	-	-	-	-	-	-	601	658	372	257	257	543	486	486
September	1313	1061	1213	930	1173	1135	1479	1948	1030	-	-	-	-	-	-	-	-	-	-	1828	1450	1713	1384	927	927	1190	1041
October	4358	2062	2394	1590	1248	1379	1287	2128	1762	-	-	-	-	-	-	-	-	-	-	2079	2122	2125	1516	766	2222	1456	1456
November	1979	2265	3586	2468	2211	1338	2600	2728	2302	-	-	-	-	-	-	-	-	-	-	2986	2643	2322	1865	861	1979	1579	1579
December	944	1261	1330	827	1524	818	1453	1613	904	-	-	-	-	-	-	-	-	-	-	1513	2560	1507	1253	835	1264	1055	1055
January	872	452	704	466	400	372	378	755	552	-	-	-	-	-	-	-	-	-	-	735	715	595	532	532	512	732	452
February	115	31	79	25	25	24	30	70	35	-	-	-	-	-	-	-	-	-	-	97	97	38	27	19	43	30	30
March	10	9	21	6	8	5	9	25	8	-	-	-	-	-	-	-	-	-	-	15	15	8	7	-	7	5	5
<u>Number of days above</u>	4	2	6	2	4	-	3	11	4	-	-	-	-	-	-	-	-	-	-	9	4	6	2	-	-	2	1
500 μ g/m ³	-	2	4	1	2	-	3	5	2	-	-	-	-	-	-	-	-	-	-	3	3	2	-	-	-	1	-
1000 μ g/m ³	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1500 μ g/m ³	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000 μ g/m ³	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3000 μ g/m ³	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE II. Sulphur dioxide 1958-59 contd.

Site Site No.	Breintree 4	Brentford 1	Bromley 2	Burnley 4	Cannock 1	Cardiff 1	2	9	10	11	Carshalton 4	Chatham 2	Cheltenham 4
<u>Average concentration</u>													
April	69	112	106	223	77	-	48	-	-	-	117	-	-
May	49	46	54	149	66	-	137	-	-	-	37	-	-
June	29	-	63	143	57	-	-	-	-	-	37	-	-
July	11	20	69	97	57	-	31	-	-	-	31	-	-
August	17	-	43	114	57	-	9	-	-	-	23	-	-
September	17	-	69	114	31	-	29	-	-	-	37	-	-
October	86	-	149	180	29	-	23	-	-	-	80	-	6
November	152	194	220	423	40	-	72	-	-	-	197	-	9
December	177	220	355	363	40	-	86	-	-	-	220	-	86
January	183	255	440	475	54	132	106	157	183	74	283	300	197
February	203	346	306	309	63	129	74	114	143	92	249	189	177
March	114	197	157	157	31	89	34	74	100	57	129	100	94
Summer	32	-	67	140	58	-	-	-	-	-	47	-	-
Winter	153	-	271	318	43	-	66	-	-	-	194	-	95
Year	93	-	169	229	50	-	-	-	-	-	121	-	-
<u>Highest daily concentration</u>													
April	197	323	285	323	169	-	132	-	-	-	214	-	-
May	89	252	146	306	134	-	335	-	-	-	123	-	-
June	74	-	132	229	89	-	-	-	-	-	97	-	-
July	31	97	180	174	86	-	106	-	-	-	77	114	-
August	60	-	123	143	86	-	57	-	-	-	112	137	-
September	40	-	166	200	72	-	66	-	-	-	120	86	-
October	229	-	458	426	72	-	194	-	-	-	286	226	31
November	383	709	346	1001	169	-	-	-	-	-	446	29	229
December	272	543	1107	1261	80	-	286	-	-	-	532	446	229
January	492	772	2408	1270	146	340	249	423	392	292	1133	1913	489
February	472	921	1081	827	146	349	27	400	398	283	704	541	415
March	277	389	400	363	63	152	83	423	133	112	277	309	143
<u>Number of days above</u>													
500 μ g/m ³	-	13	20	29	-	-	-	-	-	-	11	6	-
1000 μ g/m ³	-	-	4	5	-	-	-	-	-	-	1	1	-
1500 μ g/m ³	-	-	1	-	-	-	-	-	-	-	-	1	-
2000 μ g/m ³	-	-	1	-	-	-	-	-	-	-	-	-	-
3000 μ g/m ³	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE II. Sulphur dioxide 1958-59 contd.

Site	Site No.	Dunfermline	Dundee	Doncaster	Derby	Dartford	Darlington	Dagenham	Croydon	Crayford	Clydebank	Chiswick	Chigwell
Average concentration		6	7	16	7	6	2	2	11	2	5	2	1
April	69	100	91	230	234	154	171	114	170	-	63	-	69
May	43	74	49	129	172	40	123	103	94	-	34	54	43
June	46	49	34	129	143	63	100	86	129	-	26	31	46
July	31	49	34	83	132	60	80	86	117	51	17	31	31
August	34	29	29	57	114	26	100	86	103	26	29	20	34
September	43	40	40	117	-	54	109	86	183	77	31	57	43
October	126	80	54	263	-	97	172	143	229	100	37	43	126
November	192	80	54	232	292	20	343	229	372	260	157	257	192
December	220	132	132	493	515	123	383	229	486	249	120	275	220
January	240	140	140	392	572	106	449	303	592	420	277	306	240
February	280	117	117	559	692	217	449	332	578	309	183	409	280
March	443	106	106	317	440	146	323	332	177	132	69	252	443
Summer	44	80	80	212	312	60	226	149	177	-	74	-	44
Winter	200	46	46	-	-	66	114	94	133	245	30	257	200
Year	122	105	105	368	471	112	316	162	372	-	140	-	122
Highest daily concentration		108	76	257	-	143	215	162	252	-	85	-	122
April	168	168	168	450	362	265	320	222	282	-	117	-	168
May	146	89	89	272	355	177	275	200	200	-	89	152	146
June	69	60	60	232	252	229	154	143	987	-	74	206	69
July	72	72	72	160	257	220	134	143	918	163	43	206	72
August	77	74	74	177	-	80	172	114	375	106	77	92	77
September	97	92	92	297	-	154	186	143	1218	315	54	315	97
October	515	140	123	603	792	103	429	257	678	277	74	180	515
November	440	286	240	509	1496	295	875	715	761	598	63	658	440
December	555	257	263	935	772	626	944	829	1530	918	346	646	555
January	755	403	214	1682	1495	1253	1273	744	2116	2116	317	872	755
February	1379	323	223	1795	1144	486	601	1410	1087	1007	1307	1227	1379
March	257	194	255	395	458	212	343	486	409	426	157	549	257
Number of days above		-	-	33	48	14	24	12	47	16	7	21	7
500 $\mu\text{g}/\text{cu.m}$		-	-	5	11	2	2	1	7	5	2	1	1
1000 $\mu\text{g}/\text{cu.m}$		-	-	1	-	1	-	-	1	1	-	-	-
1500 $\mu\text{g}/\text{cu.m}$		-	-	-	-	-	-	-	3	-	-	-	-
2000 $\mu\text{g}/\text{cu.m}$		-	-	-	-	-	-	-	1	1	-	-	-
3000 $\mu\text{g}/\text{cu.m}$		-	-	-	-	-	-	-	-	-	-	-	-

TABLE II. Sulphur dioxide 1958-59 contd.

Site	Dumfrow	Baling	East Kilbride	Edinburgh	Ellesmere Port	Erith	Exeter	Friern Barnet	Glasgow	Grangemouth	Gravesend	Falifax
Site No.	3	3	1	7	1	1	1	1	1	1	22	7
Average concentration												
April	13	168	20	-	114	86	74	-	243	-	-	-
May	17	92	23	-	60	40	94	-	209	63	-	-
June	14	77	29	-	72	34	89	-	143	51	-	-
July	9	80	17	-	66	40	63	-	106	20	66	-
August	-	69	31	-	37	17	57	-	157	37	43	-
September	6	106	34	-	40	109	86	-	183	72	74	-
October	9	166	20	-	51	43	57	-	214	89	112	-
November	14	323	34	-	109	66	114	-	423	152	249	-
December	14	283	49	-	174	57	114	369	435	200	243	-
January	26	332	74	143	280	106	112	372	732	223	378	658
February	37	438	69	106	146	100	132	332	466	149	252	435
March	17	246	31	57	134	117	132	203	243	89	132	303
Summer	-	99	26	-	65	42	77	-	174	-	-	-
Winter	20	298	46	-	149	149	110	-	419	150	228	-
Year	-	198	36	-	107	96	94	-	296	-	-	-
Highest daily concentration												
April	21	362	68	-	357	165	200	-	475	-	-	-
May	26	257	51	-	157	366	286	-	463	132	-	-
June	26	189	74	-	186	72	277	-	280	94	-	-
July	14	157	51	-	269	149	146	-	237	46	172	-
August	-	132	112	-	160	66	143	-	255	129	172	-
September	11	323	106	-	220	177	286	-	337	306	297	-
October	29	543	37	-	134	275	126	-	618	257	309	-
November	43	1010	112	-	257	200	286	-	1304	438	549	-
December	31	786	174	-	478	212	320	538	1713	609	889	-
January	54	1456	286	-	1270	349	346	689	2537	855	2131	2431
February	109	1544	292	400	632	409	297	1421	2285	664	638	1070
March	31	818	66	114	549	249	389	389	418	169	349	695
Number of days above												
500	-	23	-	-	7	-	-	18	39	4	14	25
1000	-	4	-	1	1	-	-	1	12	-	2	6
1500	-	1	-	-	-	-	-	-	6	-	1	2
2000	-	-	-	-	-	-	-	-	5	-	1	2
3000	-	-	-	-	-	-	-	-	-	-	-	-

TABLE II. Sulphur dioxide 1958-59 contd.

Site No.	Hamilton	Harlow	Hayes	Helmsore	Hendon	Hoddesdon	Hornchurch	Hornsey	Hoyland Nether
	1	1	2	1	2	1	1	4	1
Average concentration									
April	-	-	106	57	123	-	112	-	145
May	-	49	46	74	74	40	92	109	120
June	-	46	51	69	100	40	63	94	143
July	-	34	46	43	74	26	51	83	237
August	-	31	34	43	77	31	63	86	92
September	-	26	77	54	106	31	54	100	123
October	-	46	123	109	163	66	66	220	74
November	-	140	263	300	257	92	100	343	129
December	-	163	200	272	312	69	114	380	146
January	180	172	342	326	337	86	260	501	286
February	129	220	346	266	349	132	252	503	166
March	51	129	186	143	209	60	126	252	94
Summer	-	-	60	57	92	-	72	-	143
Winter	-	145	249	236	271	84	153	367	149
Year	-	-	154	146	182	-	113	-	146
Highest daily concentration	-	-	277	146	235	-	252	-	343
April	-	89	163	160	217	77	194	300	297
May	-	89	160	149	243	92	103	232	440
June	-	69	180	109	157	51	149	194	475
July	-	69	89	100	140	69	123	177	206
August	-	37	303	169	177	100	100	300	363
September	-	103	346	403	583	326	100	815	154
October	-	346	652	847	561	172	266	706	375
November	-	369	535	1167	546	212	446	829	429
December	-	429	1055	1604	981	277	887	1659	764
January	529	1133	644	646	1281	912	930	2480	486
February	495	277	418	300	603	163	317	563	263
March	94	-	420	-	535	-	-	386	1175
Number of days above									
500	1	2	21	17	20	1	7	35	5
1000	-	1	1	2	1	-	-	7	-
1500	-	-	-	1	-	-	-	2	-
2000	-	-	-	-	-	-	-	1	-
3000	-	-	-	-	-	-	-	-	-

TABLE II. Sulphur dioxide 1958-59 contd.

Site	Site No.	Huddersfield	Ilford	Kingston upon Hull	Kingston-upon-Thames	Lancaster	Leeds	Leek
		6	1	2	3	2	4	1
April	235	306	209	140	92	166	57	286
May	143	180	134	103	77	97	57	229
June	146	192	134	69	57	89	37	200
July	123	169	123	57	57	97	29	143
August	92	132	106	57	57	83	20	200
September	129	160	146	43	46	86	25	172
October	197	295	180	69	100	149	54	315
November	349	689	289	100	114	315	114	458
December	543	1144	772	114	117	286	686	429
January	887	1370	1007	154	163	323	601	686
February	289	509	375	203	166	223	829	715
March	180	303	194	194	89	132	572	629
Summer	145	190	142	78	64	103	372	515
Winter	408	718	470	139	125	238	195	234
Year	276	454	306	108	94	170	544	629
							370	412
April	506	605	410	244	172	324	159	430
May	389	489	300	249	217	232	112	429
June	266	452	235	163	114	169	112	343
July	232	343	235	112	100	169	57	229
August	143	209	183	117	114	217	46	315
September	243	277	240	74	100	180	86	343
October	695	952	452	166	240	289	137	1058
November	998	1965	744	200	398	801	1945	1573
December	2332	3709	3535	275	612	629	1630	1401
January	3092	3592	3927	383	506	904	1945	1716
February	769	1170	995	758	692	426	435	1230
March	495	655	480	420	206	246	1344	3375
							744	1201
							629	972
							887	801
500 mg/cu ft	36	92	52	1	4	14	91	105
1000 "	10	38	20	=	=	=	18	22
1500 "	6	18	10	=	=	=	6	4
2000 "	5	12	5	=	=	=	1	1
3000 "	1	2	2	=	=	=	1	1

TABLE II. Sulphur dioxide 1958-59 contd.

Site No.	Leicester	Leigh	Leyton	London Battersea	Bermondsey	Bethnal Green	Camberwell	Chelsea
Site No.	3	3	1	2	3	2	3	2
Average concentration	7	8	9	6	7	8	9	6
April	103	117	106	123	174	195	197	246
May	60	60	74	49	126	94	97	194
June	63	63	77	51	232	226	66	123
July	49	51	51	46	209	209	60	129
August	40	37	49	37	149	-	92	143
September	72	49	66	114	194	200	63	40
October	103	106	137	143	269	200	57	214
November	203	197	209	177	326	323	197	300
December	183	200	212	400	572	458	289	472
January	257	269	286	458	581	543	323	478
February	154	123	209	661	704	664	398	277
March	303	57	100	475	646	755	320	432
Summer	146	63	70	229	343	363	157	337
Winter	418	159	192	112	257	-	88	175
Year	282	111	131	390	393	518	272	279
Highest daily concentration	440	500	315	410	985	750	326	680
April	217	349	223	349	638	432	369	469
May	174	363	257	209	452	403	212	200
June	174	297	177	246	335	352	109	223
July	172	323	200	143	423	-	252	223
August	300	337	200	506	529	429	174	203
September	509	452	895	452	795	809	452	386
October	861	1190	715	452	1093	1058	403	543
November	838	1021	887	1261	1547	1287	1190	501
December	1224	2391	1293	904	1816	1727	1035	1001
January	1078	841	1948	2880	2563	3003	2234	715
February	518	789	495	1733	824	775	1765	1284
March				452			443	618
Number of days above	51	66	34	39	67	57	33	37
500	5	12	6	7	18	15	9	4
1000	-	6	1	3	5	5	3	-
1500	-	2	-	1	1	1	1	-
2000	-	-	-	-	-	-	-	-
3000	-	-	-	-	-	-	-	-

TABLE II. Sulphur dioxide 1958-59 contd.

Site	London (cont.)															Deptford					Finsbury	Fulham						Greenwich						Hackney				
	City	9	10	11	12	15	1	2	1	2	3	4	5	7	4	5	6	1	6	6	2	3	4	5	6	1	6	2	3	4	5	6						
Average concentration	205	160	340	323	249	-	217	248	229	-	380	229	140	203	157	172	200	169	169	380	229	140	203	157	172	200	169	169	169	169	169							
April	140	131	272	220	123	-	126	114	200	92	243	172	57	86	72	129	140	100	100	243	172	57	86	72	129	140	100	100	100	100	100	100						
May	154	60	252	200	143	-	120	103	172	106	200	172	57	80	66	123	137	74	74	200	172	57	80	66	123	137	74	74	74	74	74							
June	129	62	237	172	146	-	109	92	172	129	257	200	72	74	72	112	112	43	43	257	200	72	74	72	112	112	43	43	43	43	43							
July	129	97	246	169	123	-	92	77	143	-	186	169	37	51	49	103	112	40	40	186	169	37	51	49	103	112	40	40	40	40	40							
August	180	129	260	246	189	-	149	103	229	166	280	269	54	106	92	129	129	40	40	280	269	54	106	92	129	129	40	40	40	40	40							
September	283	246	429	328	337	269	186	140	372	229	343	263	100	186	157	283	140	46	46	343	263	100	186	157	283	140	46	46	46	46	46							
October	455	329	601	492	472	472	369	358	543	452	572	423	203	445	306	312	229	100	100	572	423	203	445	306	312	229	100	100	100	100	100							
November	501	355	684	606	521	518	335	386	572	443	486	420	260	398	303	366	249	146	146	486	420	260	398	303	366	249	146	146	146	146	146							
December	655	615	804	744	684	589	386	592	744	606	658	586	506	303	295	323	406	189	189	658	586	506	303	295	323	406	189	189	189	189	189							
January	638	586	755	789	718	541	400	506	686	638	543	486	220	460	317	386	369	197	197	543	486	220	460	317	386	369	197	197	197	197	197							
February	315	392	440	440	389	332	217	289	343	277	315	-	117	266	143	212	220	97	97	315	-	117	266	143	212	220	97	97	97	97	97							
March	156	106	268	222	162	-	136	123	191	-	258	202	70	100	85	128	138	78	78	258	202	70	100	85	128	138	78	78	78	78	78							
Summer	474	420	619	585	524	454	316	372	543	441	486	-	234	338	254	314	269	129	129	486	-	234	338	254	314	269	129	129	129	129	129							
Winter	315	263	444	404	343	-	226	248	367	-	372	-	152	219	170	221	204	104	104	372	-	152	219	170	221	204	104	104	104	104	104							
Year	490	412	550	526	480	-	397	418	460	-	750	428	237	378	257	352	445	343	343	750	428	237	378	257	352	445	343	343	343	343	343							
Highest daily concentration	543	372	664	609	283	-	369	452	486	632	603	515	177	235	269	286	592	263	263	603	515	177	235	269	286	592	263	263	263	263	263							
April	340	200	432	412	252	-	186	257	343	323	358	257	89	152	100	220	263	166	166	340	200	432	412	252	186	257	343	323	323	323	323							
May	323	149	443	486	366	-	237	220	429	315	592	469	126	143	160	209	223	123	123	323	149	443	486	366	237	220	429	315	315	315	315							
June	235	194	452	269	203	-	192	180	400	-	378	312	92	114	97	177	166	74	74	235	194	452	269	203	192	180	400	400	400	400	400							
July	541	355	581	709	438	-	289	286	629	529	672	704	97	280	186	240	292	140	140	541	355	581	709	438	289	286	629	529	529	529	529							
August	975	618	1050	861	686	778	369	337	1201	684	867	658	380	369	300	1542	309	174	174	975	618	1050	861	686	369	337	1201	1201	1201	1201	1201							
September	1233	901	1401	1253	1004	1187	1184	1241	1287	878	1058	869	380	824	1107	1161	755	335	335	1233	901	1401	1253	1004	1184	1241	1287	878	878	878	878							
October	1173	952	1453	1493	1141	1421	1035	1175	1745	824	1316	1244	724	1216	1055	1124	732	420	420	1173	952	1453	1493	1141	1421	1035	1175	1745	1745	1745	1745							
November	2116	2085	1845	2337	1893	2182	1665	2339	2317	2102	2402	1888	1896	912	1427	1207	1376	761	761	2116	2085	1845	2337	1893	2182	1665	2339	2317	2317	2317	2317							
December	2992	2382	3232	2485	2365	2666	1593	2059	2746	1796	2088	1830	618	1253	1390	2071	1928	1316	1316	2992	2382	3232	2485	2365	2666	1593	2059	2746	2746	2746	2746							
January	738	878	724	970	744	887	438	569	772	686	744	-	163	423	375	492	400	197	197	738	878	724	970	744	887	438	569	772	772	772	772							
March	53	46	110	90	71	50	27	33	66	55	65	41	14	23	16	23	18	3	3	53	46	110	90	71	50	27	33	66	66	66	66							
Number of days above	13	10	17	17	10	14	4	6	16	9	12	8	5	5	5	7	3	1	1	13	10	17	17	10	14	4	6	16	16	16	16							
500 ug/cu.m	5	4	6	7	4	5	2	3	7	3	4	4	1	1	1	1	1	1	1	5	4	6	7	4	5	5	5	5	5	5	5							
1500	3	2	1	3	1	2	-	-	5	1	2	2	-	-	-	-	-	-	-	3	2	1	3	1	2	1	1	1	1	1	1							
2000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
3000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							

TABLE II. Sulphur dioxide 1958-59 contd.

Site	London (cont.)				Kensington				Lambeth				Paddington				St. Marylebone	
	Hammersmith	Hampstead	Islington	1	4	2	6	7	8	9	10	11	2	3	6	7		
Site No.	4	5	2	1	4	2	6	7	8	9	10	11	2	3	6	7		
Average concentration																		
April	26	166	194	189	220	266	232	249	223	274	189	-	223	-	240	180		
May	-	129	132	152	129	257	192	112	172	-	126	-	183	-	160	132		
June	-	126	140	149	200	209	166	106	166	106	172	-	192	-	160	134		
July	-	100	109	126	200	189	154	94	154	129	169	154	212	-	114	109		
August	-	92	100	117	129	174	143	77	137	92	152	117	143	-	114	66		
September	-	140	157	123	235	269	229	126	229	160	235	197	283	-	203	114		
October	-	203	237	320	320	349	283	214	300	240	363	297	209	-	326	240		
November	-	312	380	466	458	521	492	418	443	486	549	586	426	-	452	423		
December	-	352	420	372	515	521	452	523	521	486	486	543	420	-	483	458		
January	-	283	552	-	572	646	352	375	532	606	655	678	592	-	689	609		
February	-	443	561	632	429	669	575	418	589	486	598	623	-	438	684	609		
March	-	214	272	337	400	380	300	243	300	246	400	272	-	275	369	332		
Summer	-	126	133	146	195	227	186	127	180	-	174	-	206	-	165	122		
Winter	-	301	405	489	449	514	409	365	448	425	508	500	-	-	500	445		
Year	-	214	-	318	322	370	298	246	314	-	341	-	-	-	332	284		
Highest daily concentration																		
April	89	372	329	383	420	449	409	483	395	601	294	-	500	-	432	438		
May	-	329	317	398	629	621	543	363	506	-	352	-	664	-	475	426		
June	-	232	272	295	312	386	343	186	363	226	286	-	446	-	329	275		
July	-	212	257	232	400	449	406	183	389	412	363	440	829	-	320	315		
August	-	186	186	209	197	406	255	154	329	260	326	355	483	-	240	132		
September	-	312	426	312	440	778	775	257	701	346	543	512	738	-	678	360		
October	-	821	895	807	809	807	778	375	726	621	752	583	512	-	1327	875		
November	-	904	698	1021	944	1170	1164	1210	1130	1195	1376	1396	1004	-	1041	1090		
December	-	795	932	1001	1087	1318	1158	1133	1287	1253	1313	1396	867	-	1058	990		
January	-	775	1742	1839	1916	2691	2274	1845	1856	2111	2345	2294	2525	-	2188	1870		
February	-	1985	2033	2434	2829	2625	2548	1870	2345	2134	2088	2657	-	1942	2308	2237		
March	-	509	612	715	801	829	838	455	755	515	904	532	-	695	772	784		
Number of days above																		
500	-	27	24	52	52	64	46	25	49	46	60	60	32	8	64	50		
1000	-	2	7	12	5	13	6	5	10	7	13	16	5	3	14	11		
1500	-	1	1	4	1	4	3	2	4	4	5	4	2	1	5	4		
2000	-	-	1	1	-	3	2	-	1	2	3	3	2	-	3	1		
3000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

TABLE II. Sulphur dioxide 1958-59 contd.

Site	London (cont.)				Shoreditch			Southwark	Stepney		Stoke Newington			Wandsworth					Westminster				
	St. Pancras	4	5	4	1	3	4	3	3	4	3	1	2	3	4	5	6	7	10	11			
Average concentration																							
April	346	183	263	275	134	240	126	372	134	160	215	200	329	372	378	349							
May	212	72	186	174	66	-	157	129	60	83	106	117	180	243	257	229							
June	194	89	177	166	51	-	126	117	54	72	106	123	143	214	309	212							
July	177	86	146	132	51	123	126	134	43	66	94	92	172	172	257	152							
August	149	66	152	94	-	69	94	94	40	49	83	80	183	172	200	86							
September	186	69	203	189	74	80	120	146	72	72	143	103	-	200	286	172							
October	369	109	266	232	97	120	183	266	109	137	214	149	295	378	472	286							
November	541	186	443	526	143	246	232	383	269	358	506	217	541	523	701	529							
December	572	200	543	478	166	283	286	420	243	343	466	295	618	486	629	543							
January	692	242	629	686	209	366	406	598	332	475	509	472	761	621	761	635							
February	666	309	526	615	272	392	418	503	349	340	495	492	692	615	715	692							
March	386	174	252	283	-	203	200	275	149	157	92	240	312	-	-	-							
Summer	211	94	188	172	-	-	125	165	67	84	124	119	-	229	281	200							
Winter	538	198	443	470	-	268	288	408	242	302	380	311	530	-	-	-							
Year	374	146	316	321	-	-	206	286	154	193	252	215	-	-	-	-							
Highest daily concentration																							
April	578	389	692	532	329	363	300	769	398	280	378	435	724	601	646	1133							
May	332	103	406	506	146	-	292	343	243	243	349	306	603	521	572	832							
June	329	163	306	283	72	-	257	197	100	146	226	269	335	349	446	369							
July	375	160	320	340	117	323	309	229	126	152	237	177	266	372	572	232							
August	240	103	326	186	-	97	203	189	92	152	166	157	352	229	315	172							
September	506	152	543	466	154	203	315	297	252	149	263	214	-	343	458	515							
October	1178	343	807	623	229	337	655	658	343	272	486	358	1015	644	958	744							
November	1175	664	1253	1350	292	641	561	958	555	975	2225	438	1093	1021	1996	987							
December	1341	380	1530	1238	392	861	829	775	472	1030	1650	652	1227	1121	1184	1010							
January	2013	741	1736	2482	518	1201	1379	1707	1350	2285	2128	1542	2002	2442	2440	1958							
February	2640	1227	1527	2274	984	1479	1570	1344	1133	1333	1630	1336	2019	1830	2362	2013							
March	644	375	463	558	-	346	426	563	446	315	206	398	629	-	-	-							
Number of days above																							
500	74	6	56	56	3	15	24	52	16	23	46	22	76	65	101	69							
1000	14	1	11	14	-	3	5	7	3	5	7	5	16	9	16	11							
1500	5	-	4	5	-	-	1	1	-	1	4	1	4	3	6	4							
2000	2	-	-	4	-	-	-	-	-	1	2	-	2	1	2	1							
3000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							

TABLE II. Sulphur dioxide 1958-59 contd.

Site	London (cont.)	Longbenton	Luton	Macclesfield	Malden & Coombe	Manchester	Merton	Mytholmroyd
Site No.	8 9 10	1 2	1	1	1	9	2 3	1
Average concentration								
April	200 103 163 252	72 74 74	120 46	172 100 89	112 37 37	323 180 192	200 72 69	74 89 103
May	186 43 80 94	69 83 69	11 9	86 117 363	43 86 29	174 146 272	60 40 94	86 74 83
June	172 46 74 137	66 83 89	3 6	106 117 363	49 94 275	126 146 272	40 94 143	112 183 157
July	157 26 114 80	89 109 143	86 143	117 363 343	275 255 320	146 272 360	255 332 269	309 186 134
August	112 34 186 157	134 143 169	86 143	363 343 423	320 332 137	661 566 881	415 260 134	85 180 132
September	220 315 360 423	235 200 129	163 129	423 286 180	51 236 144	495 249 190	89 336 212	183 157 309
October	332 275 352 349	235 200 129	163 129	423 286 180	51 236 144	495 249 190	89 336 212	183 157 309
November	386 446 521 392	246 134 77	77 32	180 286 180	51 236 144	495 249 190	89 336 212	183 157 309
December	418 226 340 355	71 84 32	32 98	180 286 180	51 236 144	495 249 190	89 336 212	183 157 309
January	243 154 169 237	180 286 180	32 98	180 286 180	51 236 144	495 249 190	89 336 212	183 157 309
February	166 50 141 141	71 84 32	32 98	180 286 180	51 236 144	495 249 190	89 336 212	183 157 309
March	313 251 321 234	180 286 180	32 98	180 286 180	51 236 144	495 249 190	89 336 212	183 157 309
Summer	240 150 112 128	180 286 180	32 98	180 286 180	51 236 144	495 249 190	89 336 212	183 157 309
Winter								
Year								
Highest daily concentration								
April	612 255 303 463	194 194	226 117	346 177 152	206 154 106	540 343 363	335 194 140	183 189 197
May	486 242 235 246	137 174 180	29 34	177 177 163	94 94 126	332 252 315	154 223 223	174 154 349
June	349 123 132 237	209 160 146	14 46	280 746 844	255 561 615	486 2222 1447	792 672 1685	432 1207 538
July	343 106 160 266	146 166 240	172 400	987 1007 366	1436 861 280	1750 569 60	1073 758 446	1207 538 226
August	274 72 420 675	506 638 172	400 315	26 26 1	16 1 1	60 21 8	29 6 2	7 1 1
September	429 109 498 1001	592 272 426	458 372	1 1 1	1 1 1	4 1 1	1 1 1	1 1 1
October	1516 303 895 1244	795 426 438	601 372	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1
November	872 1007 895 1702	438 601 309	200 200	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1
December	1035 1030 1244 684	764 309 200	200 200	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1
January	1144 2903 2791 1702	438 601 309	200 200	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1
February	1413 606 1316 884	438 601 309	200 200	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1
March	715 506 526 941	764 309 200	200 200	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1
Number of days above								
500	30 20 25 24	5 2	1 1	26 1 1	16 1 1	60 21 8	29 6 2	7 1 1
1000	5 5 8 2	1 1	1 1	1 1 1	1 1 1	4 1 1	1 1 1	1 1 1
1500	1 2 3 1	1 1	1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1
2000	1 1 1 1	1 1	1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1
3000	1 1 1 1	1 1	1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1

TABLE II. Sulphur dioxide 1958-59 contd.

Site Site No.	Newburn		Newcastle upon Tyne		Nottingham		Nuneaton		Oldbury		Oldham		Oxford			
	1	2	5	10	1	4	8	9	10	11	5	9	10	11	11	12
<u>Average concentration</u>																
April	112	-	257	183	-	-	-	-	-	-	-	-	-	-	140	63
May	92	-	114	189	83	-	-	-	-	-	-	-	-	-	63	31
June	117	-	143	157	80	-	-	-	-	-	-	-	-	-	37	26
July	57	-	143	175	86	-	-	-	-	-	-	-	-	-	23	17
August	69	-	200	172	60	-	-	-	-	60	-	-	-	-	20	9
September	117	-	143	186	235	-	-	-	-	137	-	-	-	-	34	23
October	106	-	286	332	160	229	120	152	166	137	-	-	-	-	112	69
November	157	-	429	649	322	426	275	340	323	263	-	-	-	-	255	149
December	172	117	343	724	277	380	269	266	326	180	-	-	-	-	223	126
January	243	134	515	-	348	492	335	403	403	240	-	-	-	-	297	186
February	192	183	429	275	223	537	197	272	269	214	500	209	363	252	149	252
March	174	120	286	200	126	200	97	112	132	152	323	74	209	134	66	66
Summer	94	-	167	169	-	-	-	-	-	-	-	-	-	-	53	28
Winter	174	-	381	-	243	344	216	253	270	198	-	-	-	-	212	124
Year	134	-	274	-	-	-	-	-	-	-	-	-	-	-	132	76
<u>Highest daily concentration</u>																
April	523	-	744	415	-	-	-	-	-	-	-	-	-	-	272	109
May	266	-	257	369	154	-	-	-	-	-	-	-	-	-	137	106
June	232	-	429	592	140	-	-	-	-	-	-	-	-	-	83	51
July	172	-	343	329	143	-	-	-	-	-	-	-	-	-	63	49
August	154	-	372	297	137	-	-	-	-	117	-	-	-	-	40	20
September	232	-	400	378	518	-	-	-	-	252	-	-	-	-	92	60
October	249	-	772	1244	372	492	375	452	320	295	-	-	-	-	257	129
November	452	-	944	1230	634	918	758	706	706	884	-	-	-	-	478	315
December	315	286	858	1716	701	686	847	566	684	526	-	-	-	-	438	269
January	704	704	1459	-	1171	1350	867	1133	1127	635	-	-	-	-	815	423
February	383	418	887	892	717	1316	775	1138	827	572	970	1722	535	1324	532	380
March	426	255	543	432	269	426	237	332	420	257	-	612	223	486	192	120
<u>Number of days above</u>																
500 $\mu\text{g}/\text{m}^3$	7	1	35	41	16	32	16	22	22	9	5	14	4	3	7	-
1000 $\mu\text{g}/\text{m}^3$	-	-	1	11	1	4	-	4	1	-	-	2	-	1	-	-
1500 $\mu\text{g}/\text{m}^3$	-	-	-	6	-	-	-	-	-	-	-	1	-	-	-	-
2000 $\mu\text{g}/\text{m}^3$	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3000 $\mu\text{g}/\text{m}^3$	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE II. Sulphur dioxide 1958-59 contd.

Site	Portsmouth	Preston	Queensbury	Farnsbottom	Rawtenstall	Reading	Rochester	St. Helens	Sale	Salford
Site No.	1	4	1	3	1	9	5	12	4	2
Average concentration	2	3	4	5	1	9	5	12	4	2
April	54	83	77	112	-	-	-	286	235	375
May	40	49	60	123	-	72	-	343	140	286
June	34	37	51	83	-	77	-	315	140	257
July	46	43	49	54	-	63	46	200	120	215
August	-	-	20	86	-	54	23	229	72	186
September	31	-	43	94	-	89	57	315	74	232
October	77	54	66	163	-	132	60	286	112	378
November	137	123	149	369	-	255	120	486	352	712
December	117	-	226	449	363	232	200	486	415	795
January	86	-	186	489	429	326	260	658	515	1247
February	74	206	209	346	337	289	172	486	269	658
March	34	83	89	212	172	183	72	458	114	383
Summer	-	-	-	92	-	-	-	281	130	258
Winter	88	-	154	332	-	236	147	477	296	696
Year	-	-	-	212	-	-	-	379	213	477
Highest daily concentration	109	257	177	254	-	-	-	543	432	618
April	137	86	114	280	-	209	-	658	415	480
May	86	117	114	154	-	117	-	1030	349	369
June	103	72	106	126	-	114	89	486	389	358
July	-	-	51	154	-	97	77	601	297	255
August	74	-	200	140	-	172	126	629	166	446
September	235	106	117	578	-	272	217	572	229	649
October	353	312	358	766	-	632	243	1516	1539	2271
November	355	-	349	1707	-	398	795	1058	904	1776
December	306	-	426	2231	1253	784	2254	2088	1359	5351
January	129	578	460	726	2094	781	552	1115	995	1991
February	89	335	154	440	403	555	172	915	243	612
March	-	-	-	-	-	-	-	-	-	-
Number of days above	1	44	11	32	21	11	5	60	25	84
500	-	9	-	5	5	-	1	8	9	27
1000	-	1	-	3	1	-	1	3	1	15
1500	-	1	-	1	1	-	1	1	-	8
2000	-	1	-	1	1	-	1	1	-	2
3000	-	-	-	-	-	-	-	-	-	-

TABLE II. Sulphur dioxide 1958-59 contd.

Site	Site No.	Section		45	46	47	48	49	50											
		Valley	Sheffield																	
Average concentration		1	6	8	32	36	37	38	39	40	41	42	44	45	46	47	48	49	50	
April	103	340	186	372	249	255	223	375	309	283	249	369	214	77	120	213	283	220	174	
May	69	449	160	312	157	146	154	320	189	203	192	289	129	49	106	169	252	120	106	
June	57	509	172	280	194	157	152	249	163	212	194	263	160	57	117	157	240	114	120	
July	46	186	140	246	172	117	117	217	92	160	163	289	137	-	106	140	180	77	80	
August	60	160	140	197	117	109	109	206	114	160	149	183	109	-	86	114	186	60	49	
September	83	189	154	252	154	126	123	214	149	189	166	249	129	-	103	143	272	106	117	
October	109	309	160	235	249	214	200	358	260	249	252	260	172	-	146	174	309	154	146	
November	143	658	366	601	543	538	541	618	609	515	475	409	449	86	360	432	563	337	346	
December	134	512	317	655	458	486	458	543	563	343	515	257	446	-	378	509	255	340	346	
January	186	618	320	661	552	561	495	589	583	400	460	332	400	-	340	383	569	309	329	
February	152	463	286	592	418	400	395	561	455	369	440	300	246	-	306	426	269	249	249	
March	86	303	183	435	252	249	229	366	300	260	272	272	183	-	189	380	214	192	192	
Summer	70	306	159	276	174	152	146	264	169	201	186	274	146	-	106	161	236	116	108	
Winter	135	477	272	530	412	408	386	506	462	356	402	305	316	-	286	-	459	256	267	
Year	102	392	216	403	293	280	266	385	316	278	294	290	231	-	196	-	348	186	188	
Highest daily concentration																				
April	212	606	335	601	409	432	452	595	618	526	415	646	389	172	329	415	592	429	355	
May	160	809	383	460	255	249	303	452	309	383	340	498	240	160	172	346	435	297	252	
June	100	941	306	475	429	283	263	472	378	366	317	503	309	172	186	306	432	240	217	
July	117	332	252	452	300	275	203	452	180	323	269	475	289	-	226	303	400	189	169	
August	140	297	272	372	200	177	172	340	217	378	212	295	197	-	132	214	349	129	109	
September	160	309	317	452	312	340	272	366	275	363	292	418	263	-	243	323	572	263	246	
October	395	778	438	418	781	523	678	638	532	609	529	515	492	-	398	426	689	503	446	
November	349	2068	1301	1853	2191	1810	1931	2148	2005	1968	1387	1138	1699	257	1456	1673	1759	1459	2028	
December	398	1747	1104	1716	1962	1155	1447	952	1753	761	1564	603	1573	-	1316	761	1613	1230	1264	
January	512	1782	912	2394	1722	1502	1473	1682	1293	1407	1213	1015	950	-	789	1024	1687	786	904	
February	343	1376	904	1316	1158	1147	1213	1401	1221	1270	1110	1035	898	-	1015	818	1127	769	838	
March	237	732	432	824	555	438	358	592	521	546	452	500	292	-	283	-	892	383	332	
Number of days above																				
500	1	83	16	79	44	42	42	68	58	28	30	20	18	-	15	26	54	16	16	
1000	-	15	3	11	14	10	10	11	11	7	8	4	5	-	4	4	9	2	3	
1500	-	7	-	4	5	3	1	4	3	1	1	-	3	-	-	2	4	-	1	
2000	-	1	-	1	1	-	-	1	1	-	-	-	-	-	-	-	-	-	1	
3000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

TABLE II. Sulphur dioxide 1958-59 contd.

Site	Sheffield (cont.)	54	55	56	57	58	59	60	61	62	63	64	65	Sidcup	Southall
Site No.	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
Average concentration															
April	260	183	300	160	177	180	200	558	266	69	275	-	-	-	-
May	189	183	189	89	137	152	112	366	149	29	186	-	-	-	-
June	192	180	235	117	140	140	131	271	172	31	217	-	-	-	-
July	146	143	214	114	112	94	103	337	149	37	152	109	60	46	46
August	-	140	172	74	86	-	-	-	117	14	129	92	40	40	40
September	146	177	200	109	137	137	114	277	152	54	174	154	66	66	66
October	249	243	303	137	149	189	149	420	229	46	237	172	60	109	109
November	466	426	632	369	297	429	372	618	-	97	515	406	203	272	272
December	478	426	623	389	260	400	380	658	-	126	503	435	143	266	266
January	483	438	692	363	309	400	329	609	-	129	541	329	143	426	426
February	446	326	435	275	272	306	337	549	-	106	412	326	166	275	275
March	352	249	303	192	169	209	209	329	-	63	312	303	103	117	117
Summer	-	168	218	110	132	-	-	-	168	39	189	-	-	-	-
Winter	412	351	498	288	243	322	296	544	-	94	420	328	136	244	244
Year	-	260	358	199	188	-	-	-	-	66	305	-	-	-	-
Highest daily concentration															
April	486	366	503	329	349	358	372	924	529	149	469	-	-	-	-
May	372	395	360	149	326	398	217	712	292	92	420	-	-	-	-
June	332	375	512	212	217	283	280	540	286	106	340	-	-	-	-
July	306	269	583	255	235	226	237	698	289	80	252	249	163	197	197
August	-	212	306	172	157	-	-	-	217	57	220	154	97	114	114
September	323	380	358	272	300	229	240	618	283	186	380	266	203	157	157
October	749	563	666	380	363	469	346	721	589	149	930	392	206	249	249
November	1093	1496	2085	1416	818	1439	1502	2025	-	257	1928	1316	792	718	718
December	944	1479	1633	984	758	1444	1190	1533	-	300	1293	1457	749	981	981
January	1133	1316	2259	1038	801	1430	812	1710	-	340	1276	669	398	2628	2628
February	1133	1052	1181	1044	718	998	1113	1247	-	246	1350	1115	337	867	867
March	549	480	552	300	260	489	337	618	-	140	452	724	283	349	349
Number of days above															
500	47	26	64	20	17	27	17	110	3	-	44	25	4	19	19
1000	5	7	13	5	-	7	5	14	-	-	9	5	-	3	3
1500	-	-	6	-	-	-	1	4	-	-	1	-	-	1	1
2000	-	-	2	-	-	-	-	1	-	-	-	-	-	1	1
3000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE II. Sulphur dioxide 1958-59 contd.

Site Site No.	Southampton 22 25	24	26	28	Stalybridge 4	Stirling 1	Stocksbridge 9	Sutton & Cheam 8	Teedington 2 3	Tottenham 3	Tynemouth 1
<u>Average concentration</u>	109	83	77	51	72	51	140	-	123	143	140
April	69	49	57	37	60	60	120	-	49	114	137
May	54	40	46	26	49	49	132	-	51	86	97
June	72	49	54	34	40	40	134	-	46	86	83
July	54	43	57	29	43	43	94	-	43	57	132
August	51	46	26	23	40	40	126	-	57	86	120
September	-	-	43	37	63	63	149	-	97	86	189
October	-	163	60	60	255	255	177	309	243	172	332
November	206	169	66	60	480	480	206	275	166	172	272
December	197	192	77	72	455	455	174	355	177	229	306
January	226	194	174	80	695	695	134	303	232	329	275
February	129	100	77	51	398	398	72	132	106	252	192
March	68	52	50	33	217	80	123	-	62	95	118
Summer	-	-	83	60	417	96	152	-	170	207	261
Winter	-	-	66	46	-	-	138	-	116	151	190
Year	197	152	154	94	-	-	315	-	286	372	312
<u>Highest daily concentration</u>	152	83	134	74	-	-	249	-	209	343	349
April	97	86	69	51	-	-	226	-	129	257	257
May	152	92	154	60	260	-	243	-	140	229	163
June	80	86	89	40	232	-	180	-	80	257	269
July	106	114	60	106	360	-	232	-	166	200	257
August	-	-	89	97	555	126	252	-	335	229	409
September	-	403	154	120	1124	206	452	729	538	658	769
October	538	329	177	120	2202	446	509	724	372	572	521
November	512	460	163	192	1850	752	337	1547	1241	543	1032
December	498	729	392	372	1127	738	297	1061	558	1195	541
January	255	154	152	97	586	154	209	363	255	706	323
February	2	1	-	-	45	2	1	25	7	9	7
March	-	-	-	2	11	-	-	3	1	1	1
<u>Number of days above</u>	-	-	-	-	5	-	-	1	-	-	-
500 $\mu\text{g}/\text{m}^3$	-	-	-	-	1	-	-	-	-	-	-
1000 $\mu\text{g}/\text{m}^3$	-	-	-	-	1	-	-	-	-	-	-
1500 $\mu\text{g}/\text{m}^3$	-	-	-	-	1	-	-	-	-	-	-
2000 $\mu\text{g}/\text{m}^3$	-	-	-	-	1	-	-	-	-	-	-
3000 $\mu\text{g}/\text{m}^3$	-	-	-	-	1	-	-	-	-	-	-

TABLE II. Sulphur dioxide 1958-59 contd.

Site No.	Wakefield	Walsall	Waltham	Walton-le-Dale	Wanstead	Warrington	Wednesfield	West Bromwich
Site No.	12	1	4	1	1	8	1	12
Average concentration	13	11	4	1	1	8	1	12
	14	11	4	1	1	8	1	12
	15	11	4	1	1	8	1	12
April	132	163	149	286	143	249	200	142
May	137	109	92	217	85	217	387	364
June	114	109	72	172	57	172	166	255
July	63	74	51	185	63	185	586	455
August	109	57	89	163	177	163	260	349
September	97	86	106	177	177	177	272	280
October	229	163	89	235	72	235	229	426
November	452	257	249	449	114	449	246	832
December	386	257	257	429	257	429	486	1427
January	480	332	406	569	145	569	400	1719
February	235	260	292	418	383	418	586	984
March	137	206	177	203	257	257	435	395
Summer	109	100	93	200	200	200	142	142
Winter	320	246	245	387	166	387	364	364
Year	214	173	169	294	166	294	255	255
Highest daily concentration	283	246	257	435	586	435	586	455
April	366	174	183	386	137	386	137	349
May	329	180	163	306	106	306	106	280
June	260	146	149	277	152	277	152	260
July	140	143	240	240	240	240	240	260
August	183	143	206	300	300	300	300	272
September	189	378	392	483	483	483	483	223
October	592	715	541	1298	229	1298	229	426
November	1124	429	715	1135	246	1135	246	832
December	930	795	847	1087	486	1087	486	1427
January	1973	535	1856	1047	400	1381	400	1719
February	626	189	666	1767	881	1381	881	984
March	395	349	309	420	495	495	435	395
Number of days above	31	10	12	20	44	44	2	36
500	2	1	2	5	7	7	2	6
1000	1	1	1	1	1	1	1	2
1500	1	1	1	1	1	1	1	2
2000	1	1	1	1	1	1	1	2
3000	1	1	1	1	1	1	1	2

TABLE II. Sulphur dioxide 1958-59 contd.

Site	Widnes	Willesden	Willenhall	Witham	Wolverhampton	Woodford	Yeaton
Site No.	1	8	1	2	3	1	1
<u>Average concentration</u>							
April	-	163	152	60	37	229	83
May	-	112	137	46	29	143	57
June	-	112	114	31	20	86	51
July	-	114	86	26	20	143	40
August	-	72	114	37	23	-	37
September	-	94	114	29	31	86	40
October	-	94	143	66	34	172	83
November	-	172	229	103	74	286	152
December	-	200	352	94	60	343	143
January	-	263	583	123	86	435	157
February	-	306	265	123	92	378	94
March	355	172	200	-	-	174	103
Summer	-	111	120	38	-	-	51
Winter	-	201	295	-	-	298	122
Year	-	156	208	-	-	-	86
<u>Highest daily concentration</u>							
April	-	392	306	100	97	429	154
May	-	323	295	74	46	200	86
June	-	214	315	74	-	172	92
July	-	283	172	74	43	372	72
August	-	129	172	69	46	-	89
September	-	272	200	54	63	200	60
October	-	335	515	106	86	400	237
November	-	443	486	214	129	904	395
December	-	443	1007	189	117	1133	849
January	-	958	1885	229	192	1256	523
February	-	1258	569	343	235	1856	160
March	503	343	343	-	-	395	194
<u>Number of days above</u>							
500 $\mu\text{g}/\text{cu m}$	2	6	18	-	16	20	2
1000 $\mu\text{g}/\text{cu m}$	-	1	5	-	1	7	-
1500 $\mu\text{g}/\text{cu m}$	-	-	3	-	-	1	-
2000 $\mu\text{g}/\text{cu m}$	-	-	-	-	-	-	-
3000 $\mu\text{g}/\text{cu m}$	-	-	-	-	-	-	-