

Data Summary Tables for Southern Water Services Ltd (SRN)

These tables contain a summary of results of monitoring undertaken by the water company in 2007 and submitted to the Drinking Water Inspectorate. The tables are published by the Inspectorate as part of the Chief Inspector's Report entitled 'Drinking water 2007'.

The tables and full content of the Drinking Water Inspectorate's annual report are available on the Inspectorate's website at <http://www.dwi.gov.uk>

Notes relating to the interpretation of the tables : -

Columns on the following tables that are headed '1 percentile representing a minimum' and '99 percentile representing a maximum' contain figures for the 1 percentile and 99 percentile sample results respectively except where less than 100 samples were taken, when the figures are the actual maximum and minimum results.

The symbol < indicates that the result was less than the limit of detection of the analytical method used.

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Drinking Water Inspectorate
55, Whitehall
London
SW1A 2EY

Enquiries : 020 7270 3370

Data Summary (Q) for SOUTHERN WATER SERVICES LTD

Table SRN 1: Quality of water leaving service treatment works - European Standards

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of works with failures
Nitrite	A013B	0.1 mg NO ₂ /l	635	0	<0.0098	<0.0131	0
TOTAL	-	-	635	0	-	-	-

Table SRN 2: Quality of water leaving service treatment works - National Standards

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of works with failures
Coliform Bacteria	C001	0 number/100 ml	11259	12	0	0	10
Cryptosporidium	C111	Oocyst concentration / 10l	2207	0	-	-	0
<i>E. coli</i>	C002	0 number/100 ml	11259	3	0	0	3
TOTAL	-	-	24725	15	-	-	-

Table SRN 3: Quality of water leaving service treatment works - Additional Monitoring Requirements

Indicator Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests Exceeding Specification	Minimum	Maximum
Colony Counts After 3 Days At 22°C	C007	No abnormal change	11245	N/A	0	17
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	11239	N/A	0	11
Residual Disinfectant - Free	C009	No abnormal change	11251	N/A	0.18	0.82
Residual Disinfectant - Total	C010	No abnormal change	11251	N/A	0.22	0.9077
Turbidity	A002A	1 NTU	10356	11	0.054	0.43043
TOTAL	-	-	55342	11	-	-

Table SRN 4: Quality of water leaving service reservoirs - National Standards

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of reservoirs failing standard
Coliform Bacteria	C001	0 number/100 ml	10719	8	0	0	0
<i>E. coli</i>	C002	0 number/100 ml	10719	1	0	0	1
TOTAL	-	-	21438	9	-	-	-

Table SRN 5: Quality of water leaving service reservoirs - Additional Monitoring Requirements

Indicator Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests Exceeding Specification	Minimum	Maximum
Colony Counts After 3 Days At 22°C	C007	No abnormal change	10712	N/A	0	77
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	10701	N/A	0	14
Residual Disinfectant - Free	C009	No abnormal change	10702	N/A	0.05	0.63
Residual Disinfectant - Total	C010	No abnormal change	10702	N/A	0.11	0.69
TOTAL	-	-	42817	0	-	-

Table SRN 6: Quality of water leaving bulk supply points - European Standards

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	Failures by supply point
Bromate	F003	10 µg BrO ₃ /l	635	0	<0.8	2.798	0
Pesticides (2,4-D)	P020	0.1 µg/l	635	0	<0.011	<0.011	0
Pesticides (Aldrin)	P002	0.03 µg/l	636	0	<0.003	<0.003	0
Pesticides (Atrazine)	P004	0.1 µg/l	635	1	<0.002	0.04264	1
Pesticides (Benazolin)	P138	0.1 µg/l	635	0	<0.009	<0.009	0
Pesticides (Bendiocarb)	P174	0.1 µg/l	635	0	<0.009	<0.01	0
Pesticides (Bentazone)	P006	0.1 µg/l	635	0	<0.008	0.01492	0
Pesticides (Bromoxynil)	P008	0.1 µg/l	635	0	<0.01	<0.01	0
Pesticides (Carbetamide)	P010	0.1 µg/l	647	1	<0.005	0.010752	1
Pesticides (Chlorthal-Dimethyl (dimethyl tetrachlorotereph	P211	0.1 µg/l	636	0	<0.01	<0.01	0
Pesticides (Chlortoluron)	P014	0.1 µg/l	647	0	<0.003	0.014	0
Pesticides (Clopyralid)	P018	0.1 µg/l	635	0	<0.019	<0.019	0
Pesticides (Cyanazine)	P092	0.1 µg/l	636	0	<0.007	0.012	0
Pesticides (Diazinon)	P024	0.1 µg/l	635	0	<0.009	<0.01	0
Pesticides (Dicamba)	P025	0.1 µg/l	635	0	<0.013	<0.013	0
Pesticides (Dieldrin)	P028	0.03 µg/l	636	0	<0.003	<0.003	0
Pesticides (Diflufenican)	P157	0.1 µg/l	636	0	<0.01	<0.01	0
Pesticides (Diuron)	P032	0.1 µg/l	647	0	<0.005	0.010992	0
Pesticides (Fluroxypyr)	P040	0.1 µg/l	636	0	<0.01	<0.01	0
Pesticides (Flutriafol)	P039	0.1 µg/l	635	0	<0.004	0.009856	0
Pesticides (Gamma-HCH (Lindane))	P041	0.1 µg/l	636	0	<0.01	<0.01	0
Pesticides (Glyphosate)	P042	0.1 µg/l	635	0	<0.014	<0.014	0
Pesticides (Heptachlor)	P043	0.03 µg/l	636	0	<0.003	<0.003	0
Pesticides (Heptachlor epoxide)	P044	0.03 µg/l	636	0	<0.003	<0.003063	0
Pesticides (Ioxynil)	P049	0.1 µg/l	636	0	<0.008	<0.008	0
Pesticides (Iprodione)	P046	0.1 µg/l	637	0	<0.01	<0.01	0
Pesticides (Isoproturon)	P048	0.1 µg/l	647	0	<0.003	0.01504	0
Pesticides (Linuron)	P051	0.1 µg/l	647	0	<0.004	<0.004	0
Pesticides (Malathion)	P052	0.1 µg/l	635	0	<0.006	<0.01	0
Pesticides (MCPA)	P054	0.1 µg/l	635	0	<0.009	0.011456	0
Pesticides (MCPB)	P055	0.1 µg/l	635	0	<0.011	<0.011	0
Pesticides (MCPP(Mecoprop))	P053	0.1 µg/l	635	0	<0.01	0.021592	0
Pesticides (Methabenzthiazuron)	P167	0.1 µg/l	647	0	<0.003	<0.003	0
Pesticides (op-DDT)	P116	0.1 µg/l	636	0	<0.01	<0.01	0
Pesticides (Parathion (Parathion ethyl))	P059	0.1 µg/l	635	0	<0.009	<0.01	0
Pesticides (PCB - Total)	P137	0.1 µg/l	635	0	<0.035	<0.035	0
Pesticides (Pentachlorophenol)	P060	0.1 µg/l	635	0	<0.009	<0.009	0

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	Failures by supply point
Pesticides (Pirimicarb)	P064	0.1 µg/l	647	0	<0.002	<0.002	0
Pesticides (pp-DDD (TDE))	P123	0.1 µg/l	635	0	<0.01	<0.01	0
Pesticides (pp-DDE)	P124	0.1 µg/l	636	0	<0.01	<0.01	0
Pesticides (pp-DDT)	P125	0.1 µg/l	636	0	<0.01	<0.01	0
Pesticides (Prometryn)	P070	0.1 µg/l	635	0	<0.002	0.005664	0
Pesticides (Propazine)	P066	0.1 µg/l	635	0	<0.004	0.004492	0
Pesticides (Propyzamide)	P071	0.1 µg/l	638	0	<0.01	<0.011525	0
Pesticides (Simazine)	P073	0.1 µg/l	635	0	<0.009	0.019	0
Pesticides (Terbutryn)	P077	0.1 µg/l	635	0	<0.003	0.01364	0
Pesticides (Tri-allate)	P079	0.1 µg/l	638	0	<0.01	0.010483	0
Pesticides (Trichlopyr)	P131	0.1 µg/l	635	0	<0.015	<0.015	0
Pesticides (Trietazine)	P132	0.1 µg/l	635	0	<0.003	0.01264	0
Pesticides (Trifluralin)	P081	0.1 µg/l	636	0	<0.01	<0.01	0
Pesticides - Total Substances	B010	0.5 µg/l	622	0	0	0.07985	0
TOTAL	-	-	32478	2	-	-	-

Table SRN 7: Quality of water leaving bulk supply points - Additional Monitoring Requirements

Indicator Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests Exceeding Specification	Minimum	Maximum
<i>Clostridium perfringens</i>	C004A	0 number/100 ml	1150	2	0	0
Conductivity	D001	2500 µS/cm	1448	0	269.49	761.57
Radioactivity - Gross Alpha	F004	0.1 Bq/l	264	0	<0.05	0.0819
Radioactivity - Gross Beta	F005	1 Bq/l	243	0	<0.05	0.18304
Radioactivity - Tritium	F006	100 Bq/l	232	0	<10	<10
TOTAL	-	-	3337	2	-	-

Table SRN 8: Quality of water at consumer's tap (zones) - European Standards

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of zones with failures
1,2 Dichloroethane	F001	3 µg/l	580	0	<0.1	<0.1	0
Antimony	B008A	5 µg Sb/l	584	0	<0.02	0.34	0
Arsenic	B001A	10 µg As/l	584	0	0.0885	2.3995	0
Benzene	F002	1 µg/l	585	0	<0.12	<0.12	0
Benzo (a) Pyrene	D007	0.01 µg/l	585	0	<0.0005	0.0012	0
Boron	D005A	1 mg B/l	584	0	<0.04	0.1133	0
Bromate	F003	10 µg BrO ₃ /l	68	0	<0.8	3.3	0
Cadmium	B002	5 µg Cd/l	584	0	<0.07	<0.07	0
Chromium	B004	50 µg Cr/l	584	1	0.07	2.692	1
Copper	A024A	2 mg Cu/l	584	0	<0.0005	0.6145	0
Cyanide	B003	50 µg CN/l	584	0	<5	<5	0
<i>E. coli</i>	C002	0 number/100 ml	6092	3	0	0	3
Enterococci	C003	0 number/100 ml	584	1	0	0	1
Fluoride	A027	1.5 mg F/l	584	0	<0.05	0.28205	0
Lead	B007A	25 µg Pb/l	584	2	<0.5	11.145	2
Mercury	B005	1 µg Hg/l	585	0	<0.002	0.02696	0
Nickel	B006A	20 µg Ni/l	584	3	<0.385	8.555	3
Nitrate	A012	50 mg NO ₃ /l	588	0	1.73416	41.7302	0
Nitrite	A013A	0.5 mg NO ₂ /l	584	0	<0.0098	<0.0131	0
Nitrate/Nitrite Formula	A013C	1 mg NO ₂ /l	584	0	0.03464	0.8352	0
Polycyclic aromatic hydrocarbons (PAHs)	B011F	0.1 µg/l	585	0	0	0.004324	0
Selenium	B009	10 µg Se/l	584	0	<0.2	1.6	0
Tetrachloroethene/Trichloroethene	D009B	10 µg/l	584	2	0	8	1
Trihalomethanes (THMs)	D011	100 µg/l	585	0	1	76.12	0
TOTAL	-	-	19013	12	-	-	-

Table SRN 9: Quality of water at consumer's tap (zones) - National Standards

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of zones with failures
Aluminium	A021	200 µg Al/l	1198	0	<3	47.04	0
Colour	A001	20 mg/l Pt/Co scale	1231	0	<0.31	3.4836	0
Hydrogen ion (pH)	A006	6.5 -10 pH value	1241	1	6.878	7.856	1
Iron	A022	200 µg Fe/l	1628	8	<3	143.94	6
Manganese	A023	50 µg Mn/l	1127	1	<0.7	8.388	1
Organoleptic Odour	A003	Dilution no. 3 at 25°C	1302	0	0	0	0
Organoleptic Taste	A004	Dilution no. 3 at 25°C	1148	0	0	0	0
Sodium	A009	200 mg Na/l	584	0	5.515	143.15	0
Tetrachloromethane	D008	3 µg/l	584	0	<0.1	0.26	0
Turbidity	A002	4 NTUs	1256	1	0.056	0.43091	1
TOTAL	-	-	11299	11	-	-	-

Table SRN 10: Quality of water at consumer's tap (zones) - Additional Monitoring Requirements

Indicator Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests Exceeding Specification	Minimum	Maximum
Ammonium	A014	0.5 mg NH ₄ /l	1137	0	<0.0387	0.0387
Chloride	D002A	250 mg Cl/l	584	0	10.865	67.415
Coliform Bacteria	C001A	0 number/100 ml	6092	16	0	0
Colony Counts After 3 Days At 22°C	C007	No abnormal change	2114	N/A	0	90
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	2113	N/A	0	86
Conductivity	D001	2500 µS/cm	1125	0	279.26	666
Hydrogen ion (pH)	A006A	9.5 pH Value	1239	0	6.878	7.856
Residual Disinfectant - Free	C009	No abnormal change	6092	N/A	0.04	0.6
Residual Disinfectant - Total	C010	No abnormal change	6092	N/A	0.07	0.66
Sulphate	A007	250 mg SO ₄ /l	584	0	<1.2	82.365
Total Organic Carbon (TOC)	A017	No abnormal change	584	N/A	0.3741	3.233
TOTAL	-	-	27756	16	-	-