

Data Summary Tables for South West Water Ltd (SWT)

These tables contain a summary of results of monitoring undertaken by the water company in 2006 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 2006'.

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 7082 8024

Data Summary 2006 for SOUTH WEST WATER LTD (SWT)

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

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	1 percentile (representing a minimum)	99 percentile (representing a maximum)	No. of works with failures
Nitrite	A013B	0.1 mg NO ₂ /l	377	0	<0.01	<0.01	0
TOTAL	-	-	377	0	-	-	-

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

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	1 percentile (representing a minimum)	99 percentile (representing a maximum)	No. of works with failures
Coliform Bacteria	C001	0 number/100 ml	7519	3	0	0	3
Cryptosporidium	C111	ooocysts >1 in10 litres	4488	0	-	-	0
<i>E. coli</i>	C002	0 number/100 ml	7520	0	0	0	0
TOTAL	-	-	19527	3	-	-	-

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

Indicator Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests Exceeding Specification	1 percentile (representing a minimum)	99 percentile (representing a maximum)
Colony Counts After 3 Days At 22°C	C007	No abnormal change	7509	n/a	0	93
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	7512	n/a	0	>36
Residual Disinfectant - Free	C009	No abnormal change	7522	n/a	0.59	1.51
Residual Disinfectant - Total	C010	No abnormal change	7522	n/a	0.61	1.5677
Turbidity	A002A	1 NTU	7512	5	<0.1	0.6
TOTAL	-	-	37577	5	-	-

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

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	1 percentile (representing a minimum)	99 percentile (representing a maximum)	No. of reservoirs failing standard
Coliform Bacteria	C001	0 number/100 ml	15971	18	0	0	1
<i>E. coli</i>	C002	0 number/100 ml	15972	3	0	0	3
TOTAL	-	-	31943	21	-	-	-

Table SWT 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	1 percentile (representing a minimum)	99 percentile (representing a maximum)
Colony Counts After 3 Days At 22°C	C007	No abnormal change	15940	n/a	0	>300
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	15965	n/a	0	>300
Residual Disinfectant - Free	C009	No abnormal change	15974	n/a	0.09	1.24
Residual Disinfectant - Total	C010	No abnormal change	15974	n/a	0.16	1.29
TOTAL	-	-	63853	0	-	-

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

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	1 percentile (representing a minimum)	99 percentile (representing a maximum)	No. of supply points with failures
Boron	D005A	1 mg B/l	381	0	<0.01	0.036936	0
Cyanide	B003	50 µg CN/l	380	0	<1.6	4.119	0
Fluoride	A027	1.5 mg F/l	380	0	<0.01	0.13	0
Mercury	B005	1 µg Hg/l	382	0	<0.02	0.04117	0
Pesticides (2,4,-Db)	P082	µg/l	381	0	<0.003	<0.003	0
Pesticides (2,4-D)	P020	µg/l	381	0	<0.004	<0.004	0
Pesticides (Atrazine)	P004	µg/l	378	0	<0.004	0.04805	0
Pesticides (Azoxystrobin)	P227	µg/l	378	0	<0.004	<0.004	0
Pesticides (Benazolin)	P138	µg/l	381	0	<0.004	<0.004	0
Pesticides (Bentazone)	P006	µg/l	381	0	<0.003	<0.003	0
Pesticides (Bromoxynil)	P008	µg/l	381	0	<0.003	<0.003	0
Pesticides (Carbendazim)	P150	µg/l	378	0	<0.004	<0.004	0
Pesticides (Chlorfenvinphos)	P013	µg/l	381	0	<0.009	<0.009	0
Pesticides (Chlorothalonil)	P015	µg/l	373	0	<0.004	<0.004	0
Pesticides (Chlorpropham)	P016	µg/l	378	0	<0.002	<0.002	0
Pesticides (Chlorpyrifos)	P017	µg/l	381	0	<0.004	<0.004	0
Pesticides (Chlortoluron)	P014	µg/l	378	0	<0.004	<0.004	0
Pesticides (Clopyralid)	P018	µg/l	381	0	<0.006	<0.006	0
Pesticides (Cypermethrin)	P094	µg/l	373	0	<0.014	<0.014	0
Pesticides (Cyprodinil)	P228	µg/l	381	0	<0.003	<0.003	0
Pesticides (Diazinon)	P024	µg/l	381	0	<0.004	<0.004	0
Pesticides (Dicamba)	P025	µg/l	381	0	<0.002	<0.002	0
Pesticides (Dichlobenil)	P098	µg/l	381	0	<0.002	<0.002	0
Pesticides (Dichlorprop)	P026	µg/l	381	0	<0.004	<0.004	0
Pesticides (Dieldrin)	P028	µg/l	381	0	<0.007	<0.007	0
Pesticides (Diflufenican)	P157	µg/l	381	0	<0.003	<0.003	0
Pesticides (Diuron)	P032	µg/l	378	1	<0.004	<0.004	1
Pesticides (Epoxyconazole)	P217	µg/l	381	0	<0.009	<0.009	0
Pesticides (Fenpropimorph)	P037	µg/l	381	0	<0.006	<0.006	0
Pesticides (Flusilazole)	P159	µg/l	378	0	<0.009	<0.009	0
Pesticides (Gamma-HCH (Lindane))	P041	µg/l	381	0	<0.004	<0.004	0
Pesticides (Heptachlor)	P043	µg/l	381	0	<0.008	<0.008	0
Pesticides (Heptachlor epoxide)	P044	µg/l	381	0	<0.003	<0.003	0
Pesticides (Ioxynil)	P049	µg/l	381	0	<0.007	<0.007	0

Pesticides (Isoproturon)	P048	µg/l	378	0	<0.004	<0.004	0
Pesticides (Kresoxym-Methyl)	P218	µg/l	381	0	<0.003	<0.003	0
Pesticides (Linuron)	P051	µg/l	378	0	<0.005	<0.005	0
Pesticides (MCPA)	P054	µg/l	381	0	<0.004	<0.00754	0
Pesticides (MCPB)	P055	µg/l	381	0	<0.003	<0.003	0
Pesticides (MCPP(Mecoprop))	P053	µg/l	381	0	<0.002	0.025	0
Pesticides (Pendimethalin)	P118	µg/l	381	0	<0.003	<0.003	0
Pesticides (Pentachlorophenol)	P060	µg/l	381	0	<0.003	<0.00336	0
Pesticides (Permethrin)	P119	µg/l	381	0	<0.008	<0.008	0
Pesticides (Picloram)	P122	µg/l	381	0	<0.007	<0.01	0
Pesticides (Propetamphos)	P069	µg/l	381	0	<0.004	<0.004	0
Pesticides (Propyzamide)	P071	µg/l	378	0	<0.003	0.01	0
Pesticides (Simazine)	P073	µg/l	378	0	<0.004	<0.004	0
Pesticides (Sulcofuron)	P171	µg/l	378	0	<0.014	<0.014	0
Pesticides (Tebuconazole)	P177	µg/l	381	0	<0.005	<0.005	0
Pesticides (Tri-allate)	P079	µg/l	381	0	<0.003	<0.003	0
Pesticides (Trichlopyr)	P131	µg/l	381	0	<0.002	<0.00236	0
Pesticides (Trifloxystrobin)	P229	µg/l	378	0	<0.004	<0.004	0
Pesticides (Trifluralin)	P081	µg/l	381	0	<0.005	<0.005	0
Pesticides - Total Substances	B010	0.5 µg/l	410	0	0	0.052	0
TOTAL	-	-	20547	1	-	-	-

Table SWT 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	1 percentile (representing a minimum)	99 percentile (representing a maximum)
Chloride	D002A	250 mg Cl/l	380	0	9	51
<i>Clostridium perfringens</i>	C004A	0 number/100 ml	2333	3	0	0
Conductivity	D001	2500 µS/cm	2331	0	64.664	478.4
Radioactivity - Gross Alpha	F004	0.1 Bq/l	6	0	0.034	0.068
Radioactivity - Gross Beta	F005	1 Bq/l	6	0	0.071	0.142
Sulphate	A007	250 mg SO ₄ /l	380	0	<2.5	42.337
Total Organic Carbon (TOC)	A017	No abnormal change	380	n/a	<0.4	28.958
TOTAL	-	-	5816	3	-	-

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

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	1 percentile (representing a minimum)	99 percentile (representing a maximum)	No. of zones with failures
1,2 Dichloroethane	F001	3 µg/l	276	0	<0.2	<0.2	0
Antimony	B008A	5 µg Sb/l	276	0	<0.05	0.4369	0
Arsenic	B001A	10 µg As/l	276	0	<0.15	1.446	0
Benzene	F002	1 µg/l	276	0	<0.1	<0.1	0
Benzo (a) Pyrene	D007	0.01 µg/l	277	1	<0.001	0.00183	1
Bromate	F003	10 µg BrO ₃ /l	276	0	<1	6.152	0
Cadmium	B002	5 µg Cd/l	276	0	<0.1	<0.4	0
Chromium	B004	50 µg Cr/l	276	0	<0.5	0.89373	0
Copper	A024A	2 mg Cu/l	275	0	<0.0025	0.46868	0
<i>E. coli</i>	C002	0 number/100 ml	4144	1	0	0	1
Enterococci	C003	0 number/100 ml	275	0	0	0	0
Lead	B007A	25 µg Pb/l	275	0	<0.2	7.646	0
Nickel	B006A	20 µg Ni/l	275	1	<1.4	10.1236	1
Nitrate	A012	50 mg NO ₃ /l	276	0	<0.6	44.5461	0
Nitrite	A013A	0.5 mg NO ₂ /l	276	0	<0.01	<0.01	0
Nitrate/Nitrite Formula	A013C	1 mg NO ₂ /l	276	0	0	0.89	0
Polycyclic aromatic hydrocarbons (PAHs)	B011F	0.1 µg/l	277	1	0	0.00622	1
Selenium	B009	10 µg Se/l	276	0	<0.4	1.1	0
Tetrachloroethene/Trichloroethene	D009B	10 µg/l	276	0	0	0.9	0
Trihalomethanes (THMs)	D011	100 µg/l	276	0	1.747	88.25	0
TOTAL	-	-	9386	4	-	-	-

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

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	1 percentile (representing a minimum)	99 percentile (representing a maximum)	No. of zones with failures
Aluminium	A021	200 µg Al/l	1197	0	<2	88.684	0
Colour	A001	20 mg/l Pt/Co scale	1201	0	<0.2	2	0
Hydrogen ion (pH)	A006	6.5 -10 pH value	1197	0	7.2	9.1	0
Iron	A022	200 µg Fe/l	1197	8	<9	146.14	7
Manganese	A023	50 µg Mn/l	1197	2	<2	25.91	1
Organoleptic Odour	A003	Dilution no. 3 at 25°C	1205	0	0	0	0
Organoleptic Taste	A004	Dilution no. 3 at 25°C	1195	0	0	0	0
Sodium	A009	200 mg Na/l	276	0	4.477	30.69	0

Tetrachloromethane	D008	3 µg/l	276	0	<0.1	<0.1	0
Turbidity	A002	4 NTUs	1201	0	<0.1	0.798	0
TOTAL	-	-	10142	10	-	-	-

Table SWT 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	1 percentile (representing a minimum)	99 percentile (representing a maximum)
Ammonium	A014	0.5 mg NH ₄ /l	1197	0	<0.01	0.04
Coliform Bacteria	C001A	0 number/100 ml	4144	9	0	0
Colony Counts After 3 Days At 22°C	C007	No abnormal change	4135	n/a	0	174
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	4140	n/a	0	159
Hydrogen ion (pH)	A006A	9.5 pH Value	1197	0	7.2	9.1
Residual Disinfectant - Free	C009	No abnormal change	4144	n/a	0.06	1.14
Residual Disinfectant - Total	C010	No abnormal change	4144	n/a	0.11	1.2
TOTAL	-	-	23101	9	-	-