

Data Summary Tables for South West Water Ltd (SWT)

These tables contain a summary of results of monitoring undertaken by the water company in 2008 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 2008'.

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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Viewing Site Summary Data for South West Water Ltd

Report Date Range: For the whole year 2008

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

Parameter Name	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 (Works)	A013B	0.1 mg NO ₂ /l	375	0	< 0.01	0.0124	0
Totals:			375	0			

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

Parameter Name	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	7,370	3	0	0	2
Cryptosporidium	C111	(see note*)	4,319	0			0
E Coli	C002	0 number/100 ml	7,370	0	0	0	0
Totals:			19,059	3			

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

Parameter Name	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 (Indicator)	C007	No abnormal change	7,371	N/A	0	28.56
Colony Counts After 48 Hours At 37°C (Indicator)	C013	No abnormal change	7,371	N/A	0	21
Residual Disinfectant - Free	C009	No abnormal change	7,377	N/A	0.54	1.432
Residual Disinfectant - Total	C010	No abnormal change	7,377	N/A	0.588	1.47
Turbidity (Indicator)	A002A	1 nephelometric turbidity unit	7,369	2	< 0.1	0.5
Totals:			36,865	2		

* Note : The Standard for *Cryptosporidium* ceased to exist when regulations changed from 22nd December 2007 but the regulatory monitoring related to *Cryptosporidium* risk assessments continued until 1st October.

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

Parameter Name	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	15,057	17	0	0	0
E Coli	C002	0 number/100 ml	15,057	4	0	0	4
Totals:			30,114	21			

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

Parameter Name	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 (Indicator)	C007	No abnormal change	15,058	N/A	0	> 300
Colony Counts After 48 Hours At 37°C (Indicator)	C013	No abnormal change	15,058	N/A	0	125
Residual Disinfectant - Free	C009	No abnormal change	15,060	N/A	0.12	1.16
Residual Disinfectant - Total	C010	No abnormal change	15,060	N/A	0.21	1.2
Totals:			60,236	0		

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

Parameter Name	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	370	0	< 0.033	0.041	0
Cyanide	B003	50 µg CN/l	371	0	< 1.6	2.3	0
Fluoride	A027	1.5 mg F/l	368	0	< 0.01	0.14	0
Mercury	B005	1 µg Hg/l	370	0	< 0.02	0.076	0
Pesticides - Total Substances	B010	0.5 µg/l	400	0	0	0.051	0
Pesticides 2,4,-Db	P082	0.1 µg/l	373	0	< 0.003	< 0.003	0
Pesticides 2,4-D	P020	0.1 µg/l	373	0	< 0.004	< 0.004	0
Pesticides Atrazine	P004	0.1 µg/l	372	0	< 0.004	0.054	0
Pesticides Azoxystrobin	P227	0.1 µg/l	372	0	< 0.004	< 0.004	0
Pesticides Benazolin	P138	0.1 µg/l	373	0	< 0.004	< 0.004	0
Pesticides Bentazone	P006	0.1 µg/l	373	0	< 0.003	< 0.003	0
Pesticides Bromoxynil	P008	0.1 µg/l	373	0	< 0.003	< 0.003	0
Pesticides Carbendazim	P150	0.1 µg/l	372	0	< 0.004	< 0.004	0
Pesticides Chlorfenvinphos	P013	0.1 µg/l	373	0	< 0.009	< 0.009	0
Pesticides Chlorothalonil	P015	0.1 µg/l	373	0	< 0.004	< 0.004	0
Pesticides Chlorpropham	P016	0.1 µg/l	369	0	< 0.002	< 0.002	0
Pesticides Chlorpyrifos	P017	0.1 µg/l	373	0	< 0.004	< 0.004	0
Pesticides Chlortoluron	P014	0.1 µg/l	372	0	< 0.004	< 0.004	0
Pesticides Clopyralid	P018	0.1 µg/l	373	0	< 0.006	< 0.006	0
Pesticides Cypermethrin	P094	0.1 µg/l	373	0	< 0.014	< 0.014	0
Pesticides Cyprodinil	P228	0.1 µg/l	373	0	< 0.003	< 0.003	0
Pesticides Diazinon	P024	0.1 µg/l	373	0	< 0.004	< 0.004	0
Pesticides Dicamba	P025	0.1 µg/l	373	0	< 0.002	< 0.002	0
Pesticides Dichlobenil	P098	0.1 µg/l	373	0	< 0.002	< 0.002	0
Pesticides Dichlorprop	P026	0.1 µg/l	373	0	< 0.004	< 0.004	0
Pesticides Dieldrin	P028	0.03 µg/l	373	0	< 0.007	< 0.007	0
Pesticides Diflufenican	P157	0.1 µg/l	373	0	< 0.003	< 0.003	0
Pesticides Diuron	P032	0.1 µg/l	371	0	< 0.004	< 0.004	0
Pesticides Epoxyconazole	P217	0.1 µg/l	373	0	< 0.009	< 0.009	0
Pesticides Fenpropimorph	P037	0.1 µg/l	373	0	< 0.006	< 0.006	0
Pesticides Flusilazole	P159	0.1 µg/l	372	0	< 0.009	< 0.009	0
Pesticides Gamma-HCH (Lindane)	P041	0.1 µg/l	373	0	< 0.004	< 0.004	0
Pesticides Heptachlor	P043	0.03 µg/l	373	0	< 0.008	< 0.008	0
Pesticides Heptachlor epoxide	P044	0.03 µg/l	373	0	< 0.003	< 0.003	0

Pesticides Ioxynil	P049	0.1 µg/l	373	0	< 0.007	< 0.007	0
Pesticides Isoproturon	P048	0.1 µg/l	372	0	< 0.004	< 0.004	0
Pesticides Kresoxym-Methyl	P218	0.1 µg/l	373	0	< 0.003	< 0.003	0
Pesticides Linuron	P051	0.1 µg/l	369	0	< 0.005	< 0.005	0
Pesticides MCPA	P054	0.1 µg/l	373	0	< 0.004	< 0.004	0
Pesticides MCPB	P055	0.1 µg/l	373	0	< 0.003	< 0.003	0
Pesticides MCPP(Mecoprop)	P053	0.1 µg/l	373	0	< 0.002	0.004	0
Pesticides Pendimethalin	P118	0.1 µg/l	373	0	< 0.003	< 0.003	0
Pesticides Pentachlorophenol	P060	0.1 µg/l	373	0	< 0.003	< 0.003	0
Pesticides Permethrin	P119	0.1 µg/l	373	0	< 0.008	< 0.008	0
Pesticides Picloram	P122	0.1 µg/l	373	0	< 0.007	< 0.007	0
Pesticides Propetamphos	P069	0.1 µg/l	373	0	< 0.004	< 0.004	0
Pesticides Propyzamide	P071	0.1 µg/l	372	0	< 0.003	< 0.003	0
Pesticides Simazine	P073	0.1 µg/l	372	0	< 0.004	< 0.004	0
Pesticides Sulcofuron	P171	0.1 µg/l	372	0	< 0.014	< 0.014	0
Pesticides Tebuconazole	P177	0.1 µg/l	373	0	< 0.005	< 0.005	0
Pesticides Tri-allate	P079	0.1 µg/l	373	0	< 0.003	< 0.003	0
Pesticides Trichlopyr	P131	0.1 µg/l	373	0	< 0.002	< 0.002	0
Pesticides Trifloxystrobin	P229	0.1 µg/l	372	0	< 0.004	< 0.004	0
Pesticides Trifluralin	P081	0.1 µg/l	373	0	< 0.005	< 0.005	0
Totals:			20,136	0			

Table SWT 8: Quality of water leaving bulk supply points - Additional Monitoring Requirements

Parameter Name	Parameter Code	Prescribed Concentration or Value	Total Number of Tests	Tests exceeding specification	1 percentile (representing a minimum)	99 percentile (representing a maximum)
Chloride (Indicator)	D002A	250 mg Cl/l	375	0	10	45.24
Clostridium Perfringens (Indicator)	C004A	0 number/100 ml	2,395	3	0	0
Conductivity (Indicator)	D001	2500 µS/cm	2,403	0	61.708	469.92
Gross Alpha Activity	F004	0.1 Bq/l	13	2	0.049	0.133
Gross Beta Activity	F005	1 Bq/l	13	0	0.098	0.145
Sulphate (Indicator)	A007	250 mg SO ₄ /l	375	0	< 2.5	53.576
Total organic carbon (indicator)	A017	No abnormal change	375	N/A	< 0.4	2.324
Totals:			5,949	5		

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

Parameter Name	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	275	0	< 0.2	< 0.2	0
Antimony	B008A	5 µg Sb/l	276	0	< 0.05	2.123	0
Arsenic	B001A	10 µg As/l	276	0	< 0.3	1.146	0
Benzene	F002	1 µg/l	275	0	< 0.1	< 0.1	0
Benzo (a) Pyrene	D007	0.01 µg/l	274	0	< 0.001	0.002	0
Bromate	F003	10 µg BrO ₃ /l	276	0	< 1	4.623	0
Cadmium	B002	5 µg Cd/l	276	0	< 0.4	< 0.4	0
Chromium	B004	50 µg Cr/l	276	0	< 0.5	0.563	0
Copper	A024A	2 mg Cu/l	276	0	< 0.003	0.354	0
E Coli	C002	0 number/100 ml	4,179	2	0	0	2
Enterococci	C003	0 number/100 ml	276	0	0	0	0
Lead	B007A	25 µg Pb/l	276	0	< 0.5	10.195	0
Nickel	B006A	20 µg Ni/l	276	0	< 1.5	4.708	0
Nitrate	A012	50 mg NO ₃ /l	276	0	< 0.6	38.192	0
Nitrate/Nitrite Formula	A013C	1 mg NO ₂ /l	276	0	0	0.765	0
Nitrite (Consumers tap)	A013A	0.5 mg NO ₂ /l	276	0	< 0.01	< 0.01	0
Polycyclic aromatic hydrocarbons	B011F	0.1 µg/l	274	0	0	0.005	0
Selenium	B009	10 µg Se/l	276	0	< 0.4	2.515	0
Tetrachloroethene/Trichloroethene - sum of two substances	D009B	10 µg/l	274	0	0	1.525	0
Total Trihalomethanes	D011	100 µg/l	275	0	1.884	82.224	0
Totals:			9,414	2			

Table SWT 10: Quality of water at consumer's tap (zones) - National Standards

Parameter Name	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	1,301	0	< 2	71.758	0
Colour	A001	20 mg/l Pt/Co scale	1,302	0	< 0.2	1.997	0
Iron	A022	200 µg Fe/l	1,301	4	< 9	116.98	4
Manganese	A023	50 µg Mn/l	1,301	0	< 2	18.998	0
Organoleptic Odour	A003	<1 dilution number at 25°C	1,347	1			1
Organoleptic Taste	A004	<1 dilution number at 25°C	1,294	2			2
Sodium	A009	200 mg Na/l	276	0	4.2	23.07	0
Tetrachloromethane	D008	3 µg/l	275	0	< 0.1	< 0.1	0
Turbidity	A002	4 nephelometric turbidity units	1,302	0	< 0.1	0.6	0
Totals:			9,699	7			

Table SWT 11: Quality of water at consumer's tap (zones) - Additional Monitoring Requirements

Parameter Name	Parameter Code	Prescribed Concentration or Value	Total Number of Tests	Tests exceeding specification	1 percentile (representing a minimum)	99 percentile (representing a maximum)
Ammonium (Indicator)	A014	0.5 mg NH ₄ /l	1,302	0	< 0.01	0.06
Coliform Bacteria (Indicator)	C001A	0 number/100 ml	4,179	7	0	0
Colony Counts After 3 Days At 22°C (Indicator)	C007	No abnormal change	4,180	N/A	0	110.95
Colony Counts After 48 Hours At 37°C (Indicator)	C013	No abnormal change	4,180	N/A	0	78.38
Hydrogen ion (pH)	A006	6.5 - 9.5 pH range	1,302	0	7.3	9.1
Residual Disinfectant - Free	C009	No abnormal change	4,180	N/A	0.07	1.11
Residual Disinfectant - Total	C010	No abnormal change	4,180	N/A	0.14	1.162
Totals:			23,503	7		