

## **Data Summary Tables for South West Water Ltd (SWT)**

These tables contain a summary of results of monitoring undertaken by the water company in 2010 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 2010'.

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 2010

**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 <sub>2</sub> /l	352	0	< 0.01	< 0.01	0
<b>Totals:</b>			<b>352</b>	<b>0</b>			

**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	7,014	5	0	0	5
Cryptosporidium	C111	n/a	3,434				
E Coli	C002	0 number/100 ml	7,016	1	0	0	1
<b>Totals:</b>			<b>17,464</b>	<b>6</b>			

**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	7,017	n/a	0	14
Colony Counts After 48 Hours At 37°C (Indicator)	C013	No abnormal change	7,017	n/a	0	10
Residual Disinfectant - Free	C009	No abnormal change	7,030	n/a	0.54	1.38
Residual Disinfectant - Total	C010	No abnormal change	7,030	n/a	0.56	1.44
Combined Chlorine/Residual Disinfectant Combined*	n/a	n/a	(7,030)	n/a	0.01	1.14
Turbidity (Indicator)	A002A	1 nephelometric turbidity units	7,027	1	< 0.1	0.6
<b>Totals:</b>			<b>35,121</b>	<b>1</b>		

\*Residual disinfectant combined is presented for information. It is not a parameter required by the regulations. It is derived from the parameters 'Residual Disinfectant - Total' minus 'Residual Disinfectant - Free'.

**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	14,254	10	0	0	0
E Coli	C002	0 number/100 ml	14,255	3	0	0	2
<b>Totals:</b>			<b>28,509</b>	<b>13</b>			

**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	14,248	n/a	0	290
Colony Counts After 48 Hours At 37°C (Indicator)	C013	No abnormal change	14,248	n/a	0	95
Residual Disinfectant - Free	C009	No abnormal change	14,261	n/a	0.07	1.07
Residual Disinfectant - Total	C010	No abnormal change	14,261	n/a	0.15	1.12
Combined Chlorine/Residual Disinfectant Combined*	n/a	n/a	(14,261)	n/a	0.01	0.9
<b>Totals:</b>			<b>57,018</b>	<b>0</b>		

\*Residual disinfectant combined is presented for information. It is not a parameter required by the regulations. It is derived from the parameters 'Residual Disinfectant - Total' minus 'Residual Disinfectant - Free'.

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	352	0	< 0.03	0.038858	0
Cyanide	B003	50 µg CN/l	352	0	< 1.2	5.088	0
Fluoride	A027	1.5 mg F/l	351	0	0.007	0.147	0
Mercury	B005	1 µg Hg/l	352	0	< 0.02	0.207	0
Pesticides - Total Substances	B010	0.5 µg/l	376	0	0	0.04469	0
Pesticides 2,4,-Db	P082	0.1 µg/l	353	0	< 0.003	< 0.009	0
Pesticides 2,4-D	P020	0.1 µg/l	353	0	< 0.002	< 0.007	0
Pesticides Atrazine	P004	0.1 µg/l	355	0	< 0.009	0.03344	0
Pesticides Azoxystrobin	P227	0.1 µg/l	355	0	< 0.006	< 0.006	0
Pesticides Benazolin	P138	0.1 µg/l	353	0	< 0.004	< 0.009	0
Pesticides Bentazone	P006	0.1 µg/l	353	0	< 0.004	< 0.008	0
Pesticides Boscalid	P231	0.1 µg/l	340	0	< 0.009	< 0.009	0
Pesticides Bromoxynil	P008	0.1 µg/l	353	0	< 0.003	< 0.007	0
Pesticides Carbendazim	P150	0.1 µg/l	355	0	< 0.005	< 0.005	0
Pesticides Chlorfenvinphos	P013	0.1 µg/l	344	0	< 0.003	< 0.003	0
Pesticides Chlorothalonil	P015	0.1 µg/l	340	0	< 0.006	< 0.006	0
Pesticides Chlorpyrifos	P017	0.1 µg/l	344	0	< 0.003	< 0.003	0
Pesticides Chlortoluron	P014	0.1 µg/l	355	0	< 0.004	< 0.004	0
Pesticides Clopyralid	P018	0.1 µg/l	353	0	< 0.002	< 0.009	0
Pesticides Cypermethrin	P094	0.1 µg/l	311	0	< 0.005	< 0.015	0
Pesticides Cyproconazole	P207	0.1 µg/l	340	0	< 0.011	< 0.011	0
Pesticides Cyprodinil	P228	0.1 µg/l	344	0	< 0.003	< 0.003	0
Pesticides Cyromazine	P223	0.1 µg/l	355	0	< 0.008	0.0162	0
Pesticides Desthioprothioconazole	P237	0.1 µg/l	340	0	< 0.008	< 0.008	0
Pesticides Diazinon	P024	0.1 µg/l	344	0	< 0.003	< 0.003	0
Pesticides Dicamba	P025	0.1 µg/l	353	0	< 0.003	< 0.007	0
Pesticides Dichlobenil	P098	0.1 µg/l	344	0	< 0.004	< 0.004	0
Pesticides Dichlorprop	P026	0.1 µg/l	353	0	< 0.003	< 0.008	0
Pesticides Dieldrin	P028	0.03 µg/l	344	0	< 0.003	< 0.003	0
Pesticides Diflufenican	P157	0.1 µg/l	344	0	< 0.003	< 0.003	0
Pesticides Diuron	P032	0.1 µg/l	355	0	< 0.006	< 0.006	0
Pesticides Epoxyconazole	P217	0.1 µg/l	344	0	< 0.003	< 0.003	0
Pesticides Fenpropimorph	P037	0.1 µg/l	344	0	< 0.003	< 0.003	0

Pesticides Fluroxypyr	P040	0.1 µg/l	324	0 < 0.003	< 0.011	0
Pesticides Flusilazole	P159	0.1 µg/l	340	0 < 0.01	< 0.01	0
Pesticides Gamma-HCH (Lindane)	P041	0.1 µg/l	344	0 < 0.003	< 0.003	0
Pesticides Ioxynil	P049	0.1 µg/l	353	0 < 0.003	< 0.007	0
Pesticides Isoproturon	P048	0.1 µg/l	355	0 < 0.005	< 0.005	0
Pesticides Kresoxym-Methyl	P218	0.1 µg/l	344	0 < 0.003	< 0.003	0
Pesticides Linuron	P051	0.1 µg/l	355	0 < 0.007	< 0.007	0
Pesticides MCPA	P054	0.1 µg/l	353	0 < 0.002	0.0223	0
Pesticides MCPB	P055	0.1 µg/l	353	0 < 0.002	< 0.009	0
Pesticides MCPP(Mecoprop)	P053	0.1 µg/l	353	0 < 0.003	0.01974	0
Pesticides Metamitron	P194	0.1 µg/l	355	0 < 0.009	< 0.009	0
Pesticides Methiocarb	P056	0.1 µg/l	355	0 < 0.006	< 0.006	0
Pesticides Pendimethalin	P118	0.1 µg/l	344	0 < 0.005	< 0.005	0
Pesticides Pentachlorophenol	P060	0.1 µg/l	353	0 < 0.003	< 0.005	0
Pesticides Permethrin	P119	0.1 µg/l	344	0 < 0.006	< 0.006	0
Pesticides Picloram	P122	0.1 µg/l	353	0 < 0.005	< 0.011	0
Pesticides Propachlor	P126	0.1 µg/l	355	0 < 0.003	< 0.003	0
Pesticides Propamocarb	P238	0.1 µg/l	355	0 < 0.005	< 0.005	0
Pesticides Propetamphos	P069	0.1 µg/l	344	0 < 0.004	< 0.004	0
Pesticides Propyzamide	P071	0.1 µg/l	355	0 < 0.004	< 0.004	0
Pesticides Simazine	P073	0.1 µg/l	355	0 < 0.003	0.00344	0
Pesticides Tebuconazole	P177	0.1 µg/l	340	0 < 0.007	< 0.007	0
Pesticides Tri-allate	P079	0.1 µg/l	344	0 < 0.003	< 0.003	0
Pesticides Trichlopyr	P131	0.1 µg/l	353	0 < 0.003	< 0.008	0
Pesticides Trifloxystrobin	P229	0.1 µg/l	346	0 < 0.006	< 0.006	0
Pesticides Trifluralin	P081	0.1 µg/l	344	0 < 0.003	< 0.003	0
<b>Totals:</b>			<b>20,573</b>	<b>0</b>		

**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	353	0	8.54	53.92
Clostridium Perfringens (Indicator)	C004A	0 number/100 ml	2,153	3	0	0
Conductivity (Indicator)	D001	2500 µS/cm	2,152	0	70.953	473.47
Gross Alpha Activity	F004	0.1 Bq/l	12	2	0.02	0.116
Gross Beta Activity	F005	1 Bq/l	12	0	0.065	0.117
Residual Disinfectant - Free	C009	No abnormal change	3	n/a	0.6	0.62
Residual Disinfectant - Total	C010	No abnormal change	3	n/a	0.66	0.7
Sulphate (Indicator)	A007	250 mg SO <sub>4</sub> /l	353	0	< 2.608	38.692
Total organic carbon (indicator)	A017	No abnormal change	352	n/a	< 0.3	2.847
<b>Totals:</b>			<b>5,393</b>	<b>5</b>		

**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	377	0	< 0.2	< 0.2	0
Antimony	B008A	5 µg Sb/l	381	0	< 0.05	0.25	0
Arsenic	B001A	10 µg As/l	381	0	< 0.3	2.336	0
Benzene	F002	1 µg/l	377	0	< 0.1	< 0.1	0
Benzo (a) Pyrene	D007	0.01 µg/l	377	0	< 0.001	< 0.001	0
Bromate	F003	10 µg BrO3/l	381	0	< 1	4.3	0
Cadmium	B002	5 µg Cd/l	381	0	< 0.4	< 0.4	0
Chromium	B004	50 µg Cr/l	381	0	< 0.5	1.177	0
Copper	A024A	2 mg Cu/l	389	0	< 0.0025	0.1191	0
E Coli	C002	0 number/100 ml	4,465	0	0	0	0
Enterococci	C003	0 number/100 ml	379	0	0	0	0
Fluoride	A027	1.5 mg F/l	1	0	0.028	0.028	0
Lead	B007A	25 µg Pb/l	390	1	< 0.5	6.1252	1
Nickel	B006A	20 µg Ni/l	388	0	< 1.5	4.5877	0
Nitrate	A012	50 mg NO3/l	382	0	1.2915	36.019	0
Nitrate/Nitrite Formula	A013C	1 mg NO2/l	381	0	0	0.7218	0
Nitrite (Consumers tap)	A013A	0.5 mg NO2/l	382	0	< 0.01	< 0.01	0
Polycyclic aromatic hydrocarbons	B011F	0.1 µg/l	377	0	0	0.00522	0
Selenium	B009	10 µg Se/l	381	0	< 0.4	0.9636	0
Tetrachloroethene/Trichloroethene - sum of two substances	D009B	10 µg/l	377	0	0	0.7	0
Total Trihalomethanes	D011	100 µg/l	377	0	1.946	78.254	0
<b>Totals:</b>			<b>11,705</b>	<b>1</b>			

**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	1,582	0	< 2	60.602	0
Colour	A001	20 mg/l Pt/Co scale	1,583	0	< 0.2	1.7	0
Iron	A022	200 µg Fe/l	1,582	1	< 9	90.444	1
Manganese	A023	50 µg Mn/l	1,583	3	< 2	16.732	3
Organoleptic Odour	A003	0 Dilution number	1,578	3	0	0	3
Organoleptic Taste	A004	0 Dilution number	1,565	3	0	0	3
Sodium	A009	200 mg Na/l	382	0	4.183	21	0
Tetrachloromethane	D008	3 µg/l	377	0	< 0.1	0.222	0
Turbidity	A002	4 nephelometric turbidity units	1,583	0	< 0.1	1	0
<b>Totals:</b>			<b>11,815</b>	<b>10</b>			

**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 <sub>4</sub> /l	1,583	0	< 0.01	0.05
Chloride (Indicator)	D002A	250 mg Cl/l	1	0	11	11
Clostridium Perfringens (Indicator)	C004A	0 number/100 ml	2	0	0	0
Coliform Bacteria (Indicator)	C001A	0 number/100 ml	4,465	6	0	0
Colony Counts After 3 Days At 22°C (Indicator)	C007	No abnormal change	4,465	n/a	0	79
Colony Counts After 48 Hours At 37°C (Indicator)	C013	No abnormal change	4,465	n/a	0	87
Conductivity (Indicator)	D001	2500 µS/cm	1	0	79	79
Hydrogen ion (pH)	A006	6.5 - 9.5 pH Value	1,583	0	7.2	9.1
Residual Disinfectant - Free	C009	No abnormal change	4,470	n/a	0.05	1
Residual Disinfectant - Total	C010	No abnormal change	4,470	n/a	0.12	1.05
Combined Chlorine/Residual Disinfectant Combined*	n/a	n/a	(4,470)	n/a	0.01	0.84
Sulphate (Indicator)	A007	250 mg SO <sub>4</sub> /l	1	0	10.4	10.4
Total organic carbon (indicator)	A017	No abnormal change	1	n/a	1.3	1.3
<b>Totals:</b>			<b>25,507</b>	<b>6</b>		

\*Residual disinfectant combined is presented for information. It is not a parameter required by the regulations. It is derived from the parameters 'Residual Disinfectant - Total' minus 'Residual Disinfectant - Free'.