

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

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 SOUTH WEST WATER LTD

Table SWT 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 <sub>2</sub> /l	379	0	<0.01	<0.01	0
<b>TOTAL</b>	-	-	<b>379</b>	<b>0</b>	-	-	-

Table SWT 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	7415	5	0	0	5
Cryptosporidium	C111	Oocyst concentration / 10l	4393	0	-	-	0
<i>E. coli</i>	C002	0 number/100 ml	7433	0	0	0	0
<b>TOTAL</b>	-	-	<b>19241</b>	<b>5</b>	-	-	-

Table SWT 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	7432	N/A	0	20
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	7432	N/A	0	12
Residual Disinfectant - Free	C009	No abnormal change	7442	N/A	0.59	1.56
Residual Disinfectant - Total	C010	No abnormal change	7442	N/A	0.6	1.6057
Turbidity	A002A	1 NTU	7413	6	<0.1	0.6
<b>TOTAL</b>	-	-	<b>37161</b>	<b>6</b>	-	-

**Table SWT 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	15417	11	0	0	0
<i>E. coli</i>	C002	0 number/100 ml	15425	2	0	0	2
<b>TOTAL</b>	-	-	<b>30842</b>	<b>13</b>	-	-	-

**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	Minimum	Maximum
Colony Counts After 3 Days At 22°C	C007	No abnormal change	15417	N/A	0	>300
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	15426	N/A	0	179
Residual Disinfectant - Free	C009	No abnormal change	15426	N/A	0.15	1.2273
Residual Disinfectant - Total	C010	No abnormal change	15426	N/A	0.21	1.27
<b>TOTAL</b>	-	-	<b>61695</b>	<b>0</b>	-	-

**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	Minimum	Maximum	Failures by supply point
Boron	D005A	1 mg B/l	379	0	<0.033	0.07918	0
Cyanide	B003	50 µg CN/l	379	0	<1.6	3.6	0
Fluoride	A027	1.5 mg F/l	380	0	<0.01	0.13985	0
Mercury	B005	1 µg Hg/l	378	0	<0.02	0.06163	0
Pesticides (2,4,-Db)	P082	0.1 µg/l	374	0	<0.003	<0.003	0
Pesticides (2,4-D)	P020	0.1 µg/l	374	0	<0.004	<0.011	0
Pesticides (Atrazine)	P004	0.1 µg/l	369	0	<0.004	0.0486	0
Pesticides (Azoxystrobin)	P227	0.1 µg/l	369	0	<0.004	<0.004	0
Pesticides (Benazolin)	P138	0.1 µg/l	374	0	<0.004	<0.004	0
Pesticides (Bentazone)	P006	0.1 µg/l	374	0	<0.003	<0.003	0
Pesticides (Bromoxynil)	P008	0.1 µg/l	374	0	<0.003	<0.003	0
Pesticides (Carbendazim)	P150	0.1 µg/l	369	0	<0.004	<0.004	0
Pesticides (Chlorfenvinphos)	P013	0.1 µg/l	375	0	<0.009	<0.009	0
Pesticides (Chlorothalonil)	P015	0.1 µg/l	375	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	375	0	<0.004	<0.004	0
Pesticides (Chlortoluron)	P014	0.1 µg/l	369	0	<0.004	<0.004	0
Pesticides (Clopyralid)	P018	0.1 µg/l	374	0	<0.006	<0.006	0
Pesticides (Cypermethrin)	P094	0.1 µg/l	375	0	<0.014	<0.014	0
Pesticides (Cyprodinil)	P228	0.1 µg/l	375	0	<0.003	<0.003	0
Pesticides (Diazinon)	P024	0.1 µg/l	375	0	<0.004	<0.004	0
Pesticides (Dicamba)	P025	0.1 µg/l	374	0	<0.002	<0.002	0
Pesticides (Dichlobenil)	P098	0.1 µg/l	375	0	<0.002	<0.002	0
Pesticides (Dichlorprop)	P026	0.1 µg/l	374	0	<0.004	<0.004	0
Pesticides (Dieldrin)	P028	0.03 µg/l	375	0	<0.007	<0.007	0
Pesticides (Diflufenican)	P157	0.1 µg/l	375	0	<0.003	<0.003	0
Pesticides (Diuron)	P032	0.1 µg/l	369	0	<0.004	<0.004	0
Pesticides (Epoxyconazole)	P217	0.1 µg/l	375	0	<0.009	<0.009	0
Pesticides (Fenpropimorph)	P037	0.1 µg/l	375	0	<0.006	<0.006	0
Pesticides (Flusilazole)	P159	0.1 µg/l	369	0	<0.009	<0.009	0
Pesticides (Gamma-HCH (Lindane))	P041	0.1 µg/l	375	0	<0.004	<0.004	0
Pesticides (Heptachlor)	P043	0.03 µg/l	375	0	<0.008	<0.008	0
Pesticides (Heptachlor epoxide)	P044	0.03 µg/l	375	0	<0.003	<0.003	0
Pesticides (Ioxynil)	P049	0.1 µg/l	374	0	<0.007	<0.007	0
Pesticides (Isoproturon)	P048	0.1 µg/l	369	0	<0.004	<0.004	0
Pesticides (Kresoxym-Methyl)	P218	0.1 µg/l	375	0	<0.003	<0.003	0
Pesticides (Linuron)	P051	0.1 µg/l	369	0	<0.005	<0.005	0

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	Failures by supply point
Pesticides (MCPA)	P054	0.1 µg/l	374	0	<0.004	<0.00425	0
Pesticides (MCPB)	P055	0.1 µg/l	374	0	<0.003	<0.003	0
Pesticides (MCP (Mecoprop))	P053	0.1 µg/l	374	0	<0.002	0.003	0
Pesticides (Pendimethalin)	P118	0.1 µg/l	375	0	<0.003	<0.003	0
Pesticides (Pentachlorophenol)	P060	0.1 µg/l	374	0	<0.003	<0.003	0
Pesticides (Permethrin)	P119	0.1 µg/l	375	0	<0.008	<0.008	0
Pesticides (Picloram)	P122	0.1 µg/l	374	0	<0.007	<0.00775	0
Pesticides (Propetamphos)	P069	0.1 µg/l	375	0	<0.004	<0.004	0
Pesticides (Propyzamide)	P071	0.1 µg/l	369	0	<0.003	<0.003	0
Pesticides (Simazine)	P073	0.1 µg/l	369	0	<0.004	<0.004	0
Pesticides (Sulcofuron)	P171	0.1 µg/l	368	0	<0.014	<0.014	0
Pesticides (Tebuconazole)	P177	0.1 µg/l	375	0	<0.005	<0.005	0
Pesticides (Tri-allate)	P079	0.1 µg/l	375	0	<0.003	<0.003	0
Pesticides (Trichlopyr)	P131	0.1 µg/l	374	0	<0.002	<0.002	0
Pesticides (Trifloxystrobin)	P229	0.1 µg/l	369	0	<0.004	<0.004	0
Pesticides (Trifluralin)	P081	0.1 µg/l	375	0	<0.005	<0.005	0
Pesticides - Total Substances	B010	0.5 µg/l	415	0	0	0.04968	0
<b>TOTAL</b>	-	-	<b>20212</b>	<b>0</b>	-	-	-

**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	Minimum	Maximum
Chloride	D002A	250 mg Cl/l	377	0	9	46.44
<i>Clostridium perfringens</i>	C004A	0 number/100 ml	2409	0	0	0
Conductivity	D001	2500 µS/cm	2408	0	64.209	466
Radioactivity - Gross Alpha	F004	0.1 Bq/l	11	0	<0.02	0.101
Radioactivity - Gross Beta	F005	1 Bq/l	11	0	0.093	0.144
Sulphate	A007	250 mg SO <sub>4</sub> /l	376	0	<2.5	45.515
Total Organic Carbon (TOC)	A017	No abnormal change	372	N/A	<0.4	3.454
<b>TOTAL</b>	-	-	<b>5964</b>	<b>0</b>	-	-

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	Minimum	Maximum	No. of zones with failures
1,2 Dichloroethane	F001	3 µg/l	277	0	<0.2	<0.2	0
Antimony	B008A	5 µg Sb/l	278	0	<0.05	0.3714	0
Arsenic	B001A	10 µg As/l	278	0	<0.3	1.021	0
Benzene	F002	1 µg/l	277	0	<0.1	<0.1	0
Benzo (a) Pyrene	D007	0.01 µg/l	268	1	<0.001	0.004	1
Bromate	F003	10 µg BrO <sub>3</sub> /l	278	0	<0.6	<6.021	0
Cadmium	B002	5 µg Cd/l	278	0	<0.4	<0.4	0
Chromium	B004	50 µg Cr/l	277	0	<0.5	0.7498	0
Copper	A024A	2 mg Cu/l	275	0	<0.0025	0.28576	0
<i>E. coli</i>	C002	0 number/100 ml	4209	1	0	0	1
Enterococci	C003	0 number/100 ml	278	0	0	0	0
Lead	B007A	25 µg Pb/l	275	0	<0.5	5.0972	0
Nickel	B006A	20 µg Ni/l	275	0	<1.5	4.5148	0
Nitrate	A012	50 mg NO <sub>3</sub> /l	277	0	<0.6	37.9444	0
Nitrite	A013A	0.5 mg NO <sub>2</sub> /l	278	0	<0.01	<0.01	0
Nitrate/Nitrite Formula	A013C	1 mg NO <sub>2</sub> /l	277	0	0	0.76	0
Polycyclic aromatic hydrocarbons (PAHs)	B011F	0.1 µg/l	268	0	0	0.015	0
Selenium	B009	10 µg Se/l	278	0	<0.4	1.542	0
Tetrachloroethene/Trichloroethene	D009B	10 µg/l	277	0	0	1.422	0
Trihalomethanes (THMs)	D011	100 µg/l	277	2	1.568	95.438	2
<b>TOTAL</b>	-	-	<b>9455</b>	<b>4</b>	-	-	-

**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	Minimum	Maximum	No. of zones with failures
Aluminium	A021	200 µg Al/l	1301	0	<2	77.992	0
Colour	A001	20 mg/l Pt/Co scale	1301	0	<0.2	2.198	0
Hydrogen ion (pH)	A006	6.5 -10 pH value	1301	0	7.2	9.098	0
Iron	A022	200 µg Fe/l	1301	6	<9	170.96	6
Manganese	A023	50 µg Mn/l	1301	3	<2	25.282	3
Organoleptic Odour	A003	Dilution no. 3 at 25°C	1329	0	0	0	0
Organoleptic Taste	A004	Dilution no. 3 at 25°C	1301	0	0	0	0
Sodium	A009	200 mg Na/l	277	0	4.078	25.66	0
Tetrachloromethane	D008	3 µg/l	277	0	<0.1	<0.1	0
Turbidity	A002	4 NTUs	1301	0	<0.1	0.7	0
<b>TOTAL</b>	-	-	<b>10990</b>	<b>9</b>	-	-	-

**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	Minimum	Maximum
Ammonium	A014	0.5 mg NH <sub>4</sub> /l	1301	0	<0.01	0.06
Coliform Bacteria	C001A	0 number/100 ml	4206	23	0	0
Colony Counts After 3 Days At 22°C	C007	No abnormal change	4209	N/A	0	114
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	4206	N/A	0	121
Hydrogen ion (pH)	A006A	9.5 pH Value	1301	0	7.2	9.098
Residual Disinfectant - Free	C009	No abnormal change	4211	N/A	0.1	1.1
Residual Disinfectant - Total	C010	No abnormal change	4211	N/A	0.16	1.15
<b>TOTAL</b>	-	-	<b>23645</b>	<b>23</b>	-	-