

## **Data Summary Tables for Severn Trent Water Ltd (SVT)**

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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## Data Summary (Q) for SEVERN TRENT WATER LTD

### Table SVT 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	1833	0	<0.002	0.02966	0
<b>TOTAL</b>	-	-	<b>1833</b>	<b>0</b>	-	-	-

### Table SVT 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	19874	3	0	0	3
Cryptosporidium	C111	Oocyst concentration / 10l	3224	0	-	-	0
<i>E. coli</i>	C002	0 number/100 ml	19874	0	0	0	0
<b>TOTAL</b>	-	-	<b>42972</b>	<b>3</b>	-	-	-

### Table SVT 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	12658	N/A	0	11
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	12658	N/A	0	5
Residual Disinfectant - Free	C009	No abnormal change	19874	N/A	0.04	1.02
Residual Disinfectant - Total	C010	No abnormal change	19874	N/A	0.13	1.07
Turbidity	A002A	1 NTU	19874	9	<0.05	0.23
<b>TOTAL</b>	-	-	<b>84938</b>	<b>9</b>	-	-

**Table SVT 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	28719	28	0	0	1
<i>E. coli</i>	C002	0 number/100 ml	28719	2	0	0	2
<b>TOTAL</b>	-	-	<b>57438</b>	<b>30</b>	-	-	-

**Table SVT 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	28719	N/A	0	136
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	28719	N/A	0	15
Residual Disinfectant - Free	C009	No abnormal change	28719	N/A	0.02	0.62
Residual Disinfectant - Total	C010	No abnormal change	28719	N/A	0.05	0.71
<b>TOTAL</b>	-	-	<b>114876</b>	<b>0</b>	-	-

**Table SVT 6: Quality of water leaving bulk supply points - Additional Monitoring Requirements**

<b>Indicator Parameter</b>	<b>Parameter Code</b>	<b>Prescribed Concentration or Value</b>	<b>Total number of tests</b>	<b>Tests Exceeding Specification</b>	<b>Minimum</b>	<b>Maximum</b>
Radioactivity - Gross Alpha	F004	0.1 Bq/l	888	248	<0.005	0.44511
Radioactivity - Gross Beta	F005	1 Bq/l	888	0	0.021	0.22311
<b>TOTAL</b>	-	-	<b>1776</b>	<b>248</b>	-	-

**Table SVT 7: 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	1437	0	<0.08	<0.08	0
Antimony	B008A	5 µg Sb/l	1437	0	<0.12	0.9224	0
Arsenic	B001A	10 µg As/l	1437	0	<0.37	6.7	0
Benzene	F002	1 µg/l	1437	0	<0.06	<0.06	0
Benzo (a) Pyrene	D007	0.01 µg/l	1437	0	<0.001	<0.001	0
Boron	D005A	1 mg B/l	1437	0	<0.017	0.18	0
Bromate	F003	10 µg BrO <sub>3</sub> /l	1437	0	<0.6	1.6	0
Cadmium	B002	5 µg Cd/l	1437	0	<0.06	0.7362	0
Chromium	B004	50 µg Cr/l	1437	0	<0.7	1.9	0
Copper	A024A	2 mg Cu/l	1437	0	<0.0027	0.42	0
Cyanide	B003	50 µg CN/l	1437	0	<0.4	1.7	0
<i>E. coli</i>	C002	0 number/100 ml	18696	4	0	0	4
Enterococci	C003	0 number/100 ml	1437	2	0	0	2
Fluoride	A027	1.5 mg F/l	1437	0	<0.009	1.1662	0
Lead	B007A	25 µg Pb/l	1447	2	<0.5	9.656	2
Mercury	B005	1 µg Hg/l	1438	0	<0.012	0.02183	0
Nickel	B006A	20 µg Ni/l	1437	2	<0.9	7.454	2
Nitrate	A012	50 mg NO <sub>3</sub> /l	1637	0	0.799	45.262	0
Nitrite	A013A	0.5 mg NO <sub>2</sub> /l	1637	0	<0.002	0.05786	0
Nitrate/Nitrite Formula	A013C	1 mg NO <sub>2</sub> /l	1637	0	0.02	0.91	0
Polycyclic aromatic hydrocarbons (PAHs)	B011F	0.1 µg/l	1437	0	0	0.002	0
Selenium	B009	10 µg Se/l	1437	0	<0.22	2.8	0
Tetrachloroethene/Trichloroethene	D009B	10 µg/l	1437	0	0	1.5262	0
Trihalomethanes (THMs)	D011	100 µg/l	1437	2	0	86.5	2
Pesticides (2,3,6-Tba)	P074	0.1 µg/l	892	0	<0.002	<0.002	0
Pesticides (2,4,5-T)	P076	0.1 µg/l	892	0	<0.002	<0.002	0
Pesticides (2,4,-Db)	P082	0.1 µg/l	892	0	<0.002	<0.002	0
Pesticides (2,4-D)	P020	0.1 µg/l	892	0	<0.002	0.00507	0
Pesticides (Aldrin)	P002	0.03 µg/l	1437	0	<0.001	<0.002	0
Pesticides (Alpha-HCH)	P003	0.1 µg/l	1437	0	<0.001	<0.002	0
Pesticides (Ametryn)	P222	0.1 µg/l	1052	0	<0.002	<0.003	0
Pesticides (Atrazine)	P004	0.1 µg/l	1052	0	<0.001	0.03794	0
Pesticides (Benazolin)	P138	0.1 µg/l	892	0	<0.002	<0.002	0
Pesticides (Bentazone)	P006	0.1 µg/l	892	0	<0.002	<0.002	0
Pesticides (Beta-HCH)	P007	0.1 µg/l	1437	0	<0.001	<0.002	0
Pesticides (Bromacil)	P086	0.1 µg/l	1052	0	<0.004	<0.012	0
Pesticides (Bromoxynil)	P008	0.1 µg/l	892	0	<0.002	<0.002	0

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of zones with failures
Pesticides (Captan)	P192	0.1 µg/l	1052	0	<0.002	<0.007	0
Pesticides (Carbendazim)	P150	0.1 µg/l	652	0	<0.002	<0.002	0
Pesticides (Carbetamide)	P010	0.1 µg/l	652	0	<0.002	<0.006	0
Pesticides (Chlordane-Alpha)	P089	0.1 µg/l	1437	0	<0.002	<0.002	0
Pesticides (Chlorothalonil)	P015	0.1 µg/l	1437	0	<0.003	<0.003	0
Pesticides (Chlortoluron)	P014	0.1 µg/l	652	0	<0.002	<0.004	0
Pesticides (Clopyralid)	P018	0.1 µg/l	892	0	<0.001	0.01614	0
Pesticides (Cyanazine)	P092	0.1 µg/l	1052	0	<0.002	<0.005	0
Pesticides (Cyfluthrin)	P093	0.1 µg/l	1437	0	<0.003	<0.003	0
Pesticides (Cypermethrin)	P094	0.1 µg/l	1437	0	<0.003	<0.004	0
Pesticides (Delta-HCH)	P022	0.1 µg/l	1437	0	<0.002	<0.002	0
Pesticides (Deltamethrin)	P095	0.1 µg/l	1437	0	<0.004	<0.005	0
Pesticides (Dicamba)	P025	0.1 µg/l	892	0	<0.002	<0.002	0
Pesticides (Dichlobenil)	P098	0.1 µg/l	1437	0	<0.001	0.001	0
Pesticides (Dichlorprop)	P026	0.1 µg/l	892	0	<0.002	<0.002	0
Pesticides (Dieldrin)	P028	0.03 µg/l	1437	0	<0.002	<0.002	0
Pesticides (Diflufenican)	P157	0.1 µg/l	1052	0	<0.004	<0.005	0
Pesticides (Diuron)	P032	0.1 µg/l	652	0	<0.003	0.004	0
Pesticides (Endosulfan A (alpha-Endosulfan))	P101	0.1 µg/l	1437	0	<0.002	<0.003	0
Pesticides (Endosulfan B (beta-Endosulfan))	P102	0.1 µg/l	1437	0	<0.002	<0.003	0
Pesticides (Endrin)	P034	0.1 µg/l	1437	0	<0.002	<0.003	0
Pesticides (EPTC)	P035	0.1 µg/l	1052	0	<0.001	<0.002	0
Pesticides (Ethofumersate)	P221	0.1 µg/l	1052	0	<0.002	<0.006	0
Pesticides (Fenoprop)	P105	0.1 µg/l	892	0	<0.002	<0.002	0
Pesticides (Fenpropidin)	P168	0.1 µg/l	1052	0	<0.003	<0.004	0
Pesticides (Fenpropimorph)	P037	0.1 µg/l	1052	0	<0.002	<0.006	0
Pesticides (Fenvalerate)	P158	0.1 µg/l	1437	0	<0.003	<0.003	0
Pesticides (Fluroxypyr)	P040	0.1 µg/l	892	0	<0.002	<0.002	0
Pesticides (Flutriafol)	P039	0.1 µg/l	1052	0	<0.002	<0.007	0
Pesticides (Gamma-HCH (Lindane))	P041	0.1 µg/l	1437	0	<0.001	<0.002	0
Pesticides (Heptachlor)	P043	0.03 µg/l	1437	0	<0.001	<0.002	0
Pesticides (Heptachlor epoxide)	P044	0.03 µg/l	1437	0	<0.002	<0.002	0
Pesticides (Hexachlorobenzene)	P045	0.1 µg/l	1437	0	<0.001	<0.002	0
Pesticides (Hexachlorobutadiene)	P108	0.1 µg/l	1437	0	<0.001	<0.002	0
Pesticides (Ioxynil)	P049	0.1 µg/l	892	0	<0.001	<0.001	0
Pesticides (Isodrin)	P047	0.1 µg/l	1437	0	<0.001	<0.003	0
Pesticides (Isoproturon)	P048	0.1 µg/l	652	0	<0.002	0.007	0
Pesticides (Linuron)	P051	0.1 µg/l	652	0	<0.003	<0.005	0
Pesticides (MCPA)	P054	0.1 µg/l	892	0	<0.002	0.016	0

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of zones with failures
Pesticides (MCPB)	P055	0.1 µg/l	892	0	<0.002	<0.002	0
Pesticides (MCP (Mecoprop))	P053	0.1 µg/l	892	0	<0.002	0.013	0
Pesticides (Metamitron)	P194	0.1 µg/l	652	0	<0.002	<0.003	0
Pesticides (Metazachlor)	P203	0.1 µg/l	1052	0	<0.002	0.00747	0
Pesticides (Methabenzthiazuron)	P167	0.1 µg/l	652	0	<0.002	<0.003	0
Pesticides (Methoxychlor)	P057	0.1 µg/l	1437	0	<0.001	<0.003	0
Pesticides (Monuron)	P113	0.1 µg/l	652	0	<0.002	<0.004	0
Pesticides (op-DDD (TDE))	P114	0.1 µg/l	1437	0	<0.001	<0.002	0
Pesticides (op-DDE)	P115	0.1 µg/l	1437	0	<0.001	<0.002	0
Pesticides (op-DDT)	P116	0.1 µg/l	1437	0	<0.002	<0.003	0
Pesticides (PCB - Arochlor 1254)	P134	0.1 µg/l	1437	0	<0.002	<0.018	0
Pesticides (Pendimethalin)	P118	0.1 µg/l	1052	0	<0.003	<0.005	0
Pesticides (Permethrin-cis)	P120	0.1 µg/l	1437	0	<0.002	<0.003	0
Pesticides (Permethrin-trans)	P121	0.1 µg/l	1437	0	<0.002	<0.004	0
Pesticides (Pirimicarb)	P064	0.1 µg/l	1052	0	<0.001	<0.003	0
Pesticides (pp-DDD (TDE))	P123	0.1 µg/l	1437	0	<0.002	<0.003	0
Pesticides (pp-DDE)	P124	0.1 µg/l	1437	0	<0.001	<0.002	0
Pesticides (pp-DDT)	P125	0.1 µg/l	1437	0	<0.001	<0.002	0
Pesticides (Prometryn)	P070	0.1 µg/l	1052	0	<0.002	<0.003	0
Pesticides (Propachlor)	P126	0.1 µg/l	1052	0	<0.002	<0.005	0
Pesticides (Propazine)	P066	0.1 µg/l	1052	0	<0.001	<0.004	0
Pesticides (Propiconazole)	P068	0.1 µg/l	1052	0	<0.002	<0.01	0
Pesticides (Propyzamide)	P071	0.1 µg/l	1052	0	<0.002	0.02347	0
Pesticides (Simazine)	P073	0.1 µg/l	1052	0	<0.001	0.02588	0
Pesticides (Tecnazene)	P130	0.1 µg/l	1052	0	<0.001	<0.002	0
Pesticides (Terbutryn)	P077	0.1 µg/l	1052	0	<0.002	<0.003	0
Pesticides (Triadimefon)	P078	0.1 µg/l	1052	0	<0.002	<0.009	0
Pesticides (Tri-allate)	P079	0.1 µg/l	1052	0	<0.001	<0.008	0
Pesticides (Trichlopyr)	P131	0.1 µg/l	892	0	<0.003	0.008	0
Pesticides (Trichlorobenzene)	P172	0.1 µg/l	1437	0	<0.001	<0.002	0
Pesticides (Trietazine)	P132	0.1 µg/l	1052	0	<0.001	<0.006	0
Pesticides (Trifluralin)	P081	0.1 µg/l	1052	0	<0.002	0.002	0
Pesticides - Total Substances	B010	0.5 µg/l	1438	0	0	0.07261	0
<b>TOTAL</b>	-	-	<b>148164</b>	<b>12</b>	-	-	-

**Table SVT 8: 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	5065	1	<11	76	1
Colour	A001	20 mg/l Pt/Co scale	3881	1	<0.4	2.6	1
Hydrogen ion (pH)	A006	6.5 -10 pH value	5981	2	6.82	9.1	1
Iron	A022	200 µg Fe/l	5413	14	<7	97.86	12
Manganese	A023	50 µg Mn/l	4527	2	<1.5	8.144	2
Organoleptic Odour	A003	Dilution no. 3 at 25°C	4309	0	0	0	0
Organoleptic Taste	A004	Dilution no. 3 at 25°C	4309	1	0	0	1
Sodium	A009	200 mg Na/l	1437	0	3.8	97.72	0
Tetrachloromethane	D008	3 µg/l	1437	0	<0.02	<0.04	0
Turbidity	A002	4 NTUs	5120	1	<0.05	0.31	1
<b>TOTAL</b>	-	-	<b>41479</b>	<b>22</b>	-	-	-

**Table SVT 9: 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	4081	0	<0.009	0.08254
Chloride	D002A	250 mg Cl/l	1437	0	7.3	130.1
<i>Clostridium perfringens</i>	C004A	0 number/100 ml	3522	2	0	0
Coliform Bacteria	C001A	0 number/100 ml	18696	62	0	0
Colony Counts After 3 Days At 22°C	C007	No abnormal change	6564	N/A	0	90
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	6564	N/A	0	50
Conductivity	D001	2500 µS/cm	3832	0	106	847
Hydrogen ion (pH)	A006A	9.5 pH Value	5981	1	6.82	9.1
Radioactivity - Gross Alpha	F004	0.1 Bq/l	23	4	<0.003	0.143
Radioactivity - Gross Beta	F005	1 Bq/l	23	0	0.004	0.16
Residual Disinfectant - Free	C009	No abnormal change	18696	N/A	0.01	0.49
Residual Disinfectant - Total	C010	No abnormal change	18696	N/A	0.04	0.62
Sulphate	A007	250 mg SO <sub>4</sub> /l	1437	0	7.4326	140
Total Organic Carbon (TOC)	A017	No abnormal change	1437	N/A	0.26	3.842
<b>TOTAL</b>	-	-	<b>90989</b>	<b>69</b>	-	-