Data Summary Tables for Severn Trent Water Ltd (SVT)

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.

Published June 26th 2007
Drinking Water Inspectorate
55, Whitehall
London
SW1A 2EY

Enquiries : 020 7082 8024

Data Summary 2006 for SEVERN TRENT WATER LTD (SVT)

Table SVT 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	1674	0	<0.002	0.02425	0
TOTAL	**-**	**-**	**1674**	**0**	**-**	**-**	**-**

Table SVT 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	15716	5	0	0	5
Cryptosporidium	C111	oocysts >1 in10 litres	2931	0	-	'-	0
E. coli	C002	0 number/100 ml	15716	1	0	0	1
TOTAL	**-**	**-**	**34363**	**6**	**-**	**-**	**-**

Table SVT 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	12989	n/a	0	22
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	12989	n/a	0	9
Residual Disinfectant - Free	C009	No abnormal change	15716	n/a	0.05	1.01
Residual Disinfectant - Total	C010	No abnormal change	15716	n/a	0.14	1.14
Turbidity	A002A	1 NTU	15716	13	<0.05	0.24
TOTAL	**-**	**-**	**73126**	**13**	**-**	**-**

Table SVT 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	28998	37	0	0	1
E. coli	C002	0 number/100 ml	28998	4	0	0	4
TOTAL	**-**	**-**	**57996**	**41**	**-**	**-**	**-**

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**	**1 percentile** (representing a minimum)	**99 percentile** (representing a maximum)
Colony Counts After 3 Days At 22°C	C007	No abnormal change	28998	n/a	0	184
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	28998	n/a	0	21
Residual Disinfectant - Free	C009	No abnormal change	28998	n/a	0.02	0.63
Residual Disinfectant - Total	C010	No abnormal change	28998	n/a	0.05	0.75
TOTAL	**-**	**-**	**115992**	**0**	**-**	**-**

Table SVT 6: 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	1455	0	<0.08	<0.08	0
Antimony	B008A	5 µg Sb/l	1456	0	<0.12	0.8043	0
Arsenic	B001A	10 µg As/l	1456	0	<0.4	6.586	0
Benzene	F002	1 µg/l	1455	0	<0.06	<0.06	0
Benzo (a) Pyrene	D007	0.01 µg/l	1456	0	<0.001	0.001	0
Boron	D005A	1 mg B/l	1456	0	<0.013	0.1943	0
Bromate	F003	10 µg BrO_3/l	1457	0	<0.6	2.442	0
Cadmium	B002	5 µg Cd/l	1456	0	<0.06	0.8244	0
Chromium	B004	50 µg Cr/l	1456	0	<0.34	1.8	0
Copper	A024A	2 mg Cu/l	1456	0	<0.0012	0.3486	0
Cyanide	B003	50 µg CN/l	1455	0	<0.4	1.1	0
E. coli	C002	0 number/100 ml	19319	3	0	0	3
Enterococci	C003	0 number/100 ml	1456	1	0	0	1
Fluoride	A027	1.5 mg F/l	1455	0	<0.009	1.1088	0
Lead	B007A	25 µg Pb/l	1460	2	<0.5	12	2
Mercury	B005	1 µg Hg/l	1454	0	<0.012	0.018	0
Nickel	B006A	20 µg Ni/l	1456	1	<0.9	6.943	1
Nitrate	A012	50 mg NO_3/l	1687	0	0.9788	45.4	0
Nitrite	A013A	0.5 mg NO_2/l	1687	0	<0.002	0.07336	0
Nitrate/Nitrite Formula	A013C	1 mg NO_2/l	1687	0	<0.26	0.91	0
Polycyclic aromatic hydrocarbons (PAHs)	B011F	0.1 µg/l	1456	0	0	0.004	0
Selenium	B009	10 µg Se/l	1456	0	<0.22	2.3	0
Tetrachloroethene/Trichloroethene	D009B	10 µg/l	1456	0	0	1.8129	0
Trihalomethanes (THMs)	D011	100 µg/l	1456	0	0	77.058	0
Pesticides (2,3,6-Tba)	P074	µg/l	294	0	<0.002	<0.002	0
Pesticides (2,4,5-T)	P076	µg/l	294	0	<0.002	<0.003	0
Pesticides (2,4,-Db)	P082	µg/l	294	0	<0.002	<0.003	0
Pesticides (2,4-D)	P020	µg/l	294	0	<0.002	0.03305	0
Pesticides (Aldrin)	P002	µg/l	1455	0	<0.001	<0.002	0
Pesticides (Alpha-HCH)	P003	µg/l	1455	0	<0.001	<0.001	0
Pesticides (Ametryn)	P222	µg/l	76	0	<0.002	<0.002	0
Pesticides (Atrazine)	P004	µg/l	76	0	<0.001	0.055	0
Pesticides (Benazolin)	P138	µg/l	294	0	<0.002	0.00205	0
Pesticides (Bentazone)	P006	µg/l	294	0	<0.002	<0.005	0
Pesticides (Beta-HCH)	P007	µg/l	1455	0	<0.001	<0.002	0
Pesticides (Bromacil)	P086	µg/l	76	0	<0.012	<0.012	0

Pesticides (Bromoxynil)	P008	µg/l	295	0	<0.001	0.002	0
Pesticides (Captan)	P192	µg/l	76	0	<0.007	<0.007	0
Pesticides (Carbendazim)	P150	µg/l	48	0	<0.002	<0.006	0
Pesticides (Carbetamide)	P010	µg/l	48	0	<0.002	<0.006	0
Pesticides (Chlordane-Alpha)	P089	µg/l	1455	0	<0.002	<0.002	0
Pesticides (Chlorothalonil)	P015	µg/l	1455	0	<0.001	<0.003	0
Pesticides (Chlortoluron)	P014	µg/l	48	0	<0.002	<0.008	0
Pesticides (Clopyralid)	P018	µg/l	294	0	<0.001	0.0381	0
Pesticides (Cyanazine)	P092	µg/l	76	0	<0.002	<0.002	0
Pesticides (Cyfluthrin)	P093	µg/l	1455	0	<0.003	<0.04	0
Pesticides (Cypermethrin)	P094	µg/l	1455	0	<0.004	<0.04	0
Pesticides (Delta-HCH)	P022	µg/l	1455	0	<0.002	<0.002	0
Pesticides (Deltamethrin)	P095	µg/l	1455	0	<0.005	<0.02	0
Pesticides (Dicamba)	P025	µg/l	294	0	<0.001	<0.00205	0
Pesticides (Dichlobenil)	P098	µg/l	1455	0	<0.001	0.002	0
Pesticides (Dichlorprop)	P026	µg/l	294	0	<0.002	<0.002	0
Pesticides (Dieldrin)	P028	µg/l	1455	0	<0.002	<0.002	0
Pesticides (Diflufenican)	P157	µg/l	76	0	<0.004	<0.004	0
Pesticides (Diuron)	P032	µg/l	48	0	<0.003	<0.008	0
Pesticides (Endosulfan A (alpha-Endosulfan))	P101	µg/l	1455	0	<0.001	<0.002	0
Pesticides (Endosulfan B (beta-Endosulfan))	P102	µg/l	1455	0	<0.002	<0.004	0
Pesticides (Endrin)	P034	µg/l	1455	0	<0.002	<0.002	0
Pesticides (EPTC)	P035	µg/l	76	0	<0.001	0.003	0
Pesticides (Ethofumersate)	P221	µg/l	76	0	<0.002	<0.002	0
Pesticides (Fenoprop)	P105	µg/l	294	0	<0.002	<0.003	0
Pesticides (Fenpropidin)	P168	µg/l	76	0	<0.003	<0.003	0
Pesticides (Fenpropimorph)	P037	µg/l	76	0	<0.006	<0.006	0
Pesticides (Fenvalerate)	P158	µg/l	1455	0	<0.003	<0.02	0
Pesticides (Fluroxypyr)	P040	µg/l	294	0	<0.002	0.01215	0
Pesticides (Flutriafol)	P039	µg/l	76	0	<0.002	<0.002	0
Pesticides (Gamma-HCH (Lindane))	P041	µg/l	1455	0	<0.001	<0.002	0
Pesticides (Heptachlor)	P043	µg/l	1455	0	<0.001	<0.002	0
Pesticides (Heptachlor epoxide)	P044	µg/l	1455	0	<0.002	<0.002	0
Pesticides (Hexachlorobenzene)	P045	µg/l	1455	0	<0.001	<0.001	0
Pesticides (Hexachlorobutadiene)	P108	µg/l	1455	0	<0.001	<0.002	0
Pesticides (Ioxynil)	P049	µg/l	294	0	<0.001	<0.002	0
Pesticides (Isodrin)	P047	µg/l	1455	0	<0.001	<0.002	0
Pesticides (Isoproturon)	P048	µg/l	48	0	<0.003	0.039	0
Pesticides (Linuron)	P051	µg/l	48	0	<0.003	<0.014	0
Pesticides (MCPA)	P054	µg/l	294	0	<0.002	0.02505	0
Pesticides (MCPB)	P055	µg/l	294	0	<0.002	<0.006	0

Pesticides (MCPP(Mecoprop))	P053	µg/l	294	0	<0.001	0.0252	0
Pesticides (Metamitron)	P194	µg/l	48	0	<0.002	<0.008	0
Pesticides (Metazachlor)	P203	µg/l	76	0	<0.002	0.013	0
Pesticides (Methabenzthiazuron)	P167	µg/l	48	0	<0.002	<0.01	0
Pesticides (Methoxychlor)	P057	µg/l	1455	0	<0.001	<0.002	0
Pesticides (Monuron)	P113	µg/l	48	0	<0.002	<0.01	0
Pesticides (op-DDD (TDE))	P114	µg/l	1455	0	<0.001	<0.002	0
Pesticides (op-DDE)	P115	µg/l	1455	0	<0.001	<0.002	0
Pesticides (op-DDT)	P116	µg/l	1455	0	<0.002	<0.003	0
Pesticides (PCB - Arochlor 1254)	P134	µg/l	1455	0	<0.002	<0.003	0
Pesticides (Pendimethalin)	P118	µg/l	76	0	<0.003	<0.003	0
Pesticides (Permethrin-cis)	P120	µg/l	1455	0	<0.001	<0.002	0
Pesticides (Permethrin-trans)	P121	µg/l	1455	0	<0.002	<0.002	0
Pesticides (Pirimicarb)	P064	µg/l	76	0	<0.001	<0.001	0
Pesticides (pp-DDD (TDE))	P123	µg/l	1455	0	<0.002	<0.002	0
Pesticides (pp-DDE)	P124	µg/l	1455	0	<0.001	<0.002	0
Pesticides (pp-DDT)	P125	µg/l	1455	0	<0.001	<0.002	0
Pesticides (Prometryn)	P070	µg/l	76	0	<0.002	<0.002	0
Pesticides (Propachlor)	P126	µg/l	76	0	<0.002	<0.002	0
Pesticides (Propazine)	P066	µg/l	76	0	<0.001	0.003	0
Pesticides (Propiconazole)	P068	µg/l	76	0	<0.002	<0.002	0
Pesticides (Propyzamide)	P071	µg/l	76	0	<0.002	0.01	0
Pesticides (Simazine)	P073	µg/l	76	0	<0.001	0.015	0
Pesticides (Tecnazene)	P130	µg/l	76	0	<0.001	0.001	0
Pesticides (Terbutryn)	P077	µg/l	76	0	<0.002	<0.002	0
Pesticides (Triadimefon)	P078	µg/l	76	0	<0.002	<0.002	0
Pesticides (Tri-allate)	P079	µg/l	76	0	<0.001	<0.001	0
Pesticides (Trichlopyr)	P131	µg/l	294	0	<0.003	0.01	0
Pesticides (Trichlorobenzene)	P172	µg/l	1455	0	<0.001	<0.001	0
Pesticides (Trietazine)	P132	µg/l	76	0	<0.001	<0.001	0
Pesticides (Trifluralin)	P081	µg/l	76	0	<0.002	<0.012	0
Pesticides - Total Substances	B010	0.5 µg/l	1456	0	0	0.05686	0
TOTAL	**-**	**-**	**108922**	**7**	**-**	**-**	**-**

Table SVT 7: 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	5094	0	<5	65	0

Colour	A001	20 mg/l Pt/Co scale	3792	0	<0.4	3.3	0
Hydrogen ion (pH)	A006	6.5 -10 pH value	6031	2	6.84	8.9736	2
Iron	A022	200 µg Fe/l	5550	16	<7	108.49	15
Manganese	A023	50 µg Mn/l	4409	1	<1.5	8.89	1
Organoleptic Odour	A003	Dilution no. 3 at 25°C	4263	2	0	0	2
Organoleptic Taste	A004	Dilution no. 3 at 25°C	4262	1	0	0	1
Sodium	A009	200 mg Na/l	1456	0	3.8	108	0
Tetrachloromethane	D008	3 µg/l	1456	0	<0.02	0.04	0
Turbidity	A002	4 NTUs	5181	0	<0.05	0.32	0
TOTAL	**-**	**-**	**41494**	**22**	**-**	**-**	**-**

Table SVT 8: 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	4114	0	<0.021	0.08085
Chloride	D002A	250 mg Cl/l	1455	0	7.5	114
Clostridium perfringens	C004A	0 number/100 ml	3468	6	0	0
Coliform Bacteria	C001A	0 number/100 ml	19319	82	0	0
Colony Counts After 3 Days At 22°C	C007	No abnormal change	6720	n/a	0	182
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	6720	n/a	0	91
Conductivity	D001	2500 µS/cm	3745	0	104	875
Hydrogen ion (pH)	A006A	9.5 pH Value	6031	0	6.84	8.9736
Radioactivity - Gross Alpha	F004	0.1 Bq/l	1455	167*	<0.013	0.26432
Radioactivity - Gross Beta	F005	1 Bq/l	1455	0	0.015	0.24688
Residual Disinfectant - Free	C009	No abnormal change	19321	n/a	0.01	0.5
Residual Disinfectant - Total	C010	No abnormal change	19321	n/a	0.04	0.63
Sulphate	A007	250 mg SO_4/l	1455	0	5.9	186.44
Total Organic Carbon (TOC)	A017	No abnormal change	1456	n/a	0.4057	4.559
TOTAL	**-**	**-**	**96035**	**255**	**-**	**-**

* requires more specific analysis to determine the source and type of radioactivity (Total Indicative Dose).