

Data Summary Tables for Severn Trent Water Ltd (SVT)

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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Site Summary Data for Severn Trent Water Ltd

Report Date Range: For the whole year 2008

Table SVT 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	2,130	0	< 0.003	0.023	0
Totals:			2,130	0			

Table SVT 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	16,735	1	0	0	1
Cryptosporidium	C111	(see note*)	2,972	0			0
E Coli	C002	0 number/100 ml	16,735	0	0	0	0
Totals:			36,442	1			

Table SVT 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	14,582	N/A	0	16
Colony Counts After 48 Hours At 37°C (Indicator)	C013	No abnormal change	14,582	N/A	0	5
Residual Disinfectant - Free	C009	No abnormal change	16,735	N/A	0.04	1.02
Residual Disinfectant - Total	C010	No abnormal change	16,735	N/A	0.13	1.12
Turbidity (Indicator)	A002A	1 nephelometric turbidity unit	16,736	9	< 0.05	0.24
Totals:			79,370	9		

* 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 SVT 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	29,075	21	0	0	0
E Coli	C002	0 number/100 ml	29,075	2	0	0	2
Totals:			58,150	23			

Table SVT 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	29,075	N/A	0	58
Colony Counts After 48 Hours At 37°C (Indicator)	C013	No abnormal change	29,075	N/A	0	8
Residual Disinfectant - Free	C009	No abnormal change	29,075	N/A	0.02	0.63
Residual Disinfectant - Total	C010	No abnormal change	29,075	N/A	0.05	0.75
Totals:			116,300	0		

Table SVT 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)
Gross Alpha Activity	F004	0.1 Bq/l	948	192	< 0.004	0.382
Gross Beta Activity	F005	1 Bq/l	948	0	0.017	0.192
Totals:			1,896	192		

Table SVT 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	1,471	0	< 0.08	< 0.08	0
Antimony	B008A	5 µg Sb/l	1,472	0	< 0.12	0.655	0
Arsenic	B001A	10 µg As/l	1,472	0	< 0.37	6.327	0
Benzene	F002	1 µg/l	1,471	0	< 0.06	< 0.06	0
Benzo (a) Pyrene	D007	0.01 µg/l	1,471	1	< 0.001	< 0.001	1
Boron	D005A	1 mg B/l	1,472	0	< 0.017	0.153	0
Bromate	F003	10 µg BrO ₃ /l	1,472	0	< 0.6	1.3	0
Cadmium	B002	5 µg Cd/l	1,472	0	< 0.06	0.398	0
Chromium	B004	50 µg Cr/l	1,472	0	< 0.7	1.6	0
Copper	A024A	2 mg Cu/l	1,474	0	< 0.003	0.395	0
Cyanide	B003	50 µg CN/l	1,471	0	< 0.7	1.9	0
E Coli	C002	0 number/100 ml	18,878	4	0	0	4
Enterococci	C003	0 number/100 ml	1,471	0	0	0	0
Fluoride	A027	1.5 mg F/l	1,473	0	< 0.009	1.22	0
Lead	B007A	25 µg Pb/l	1,472	4	< 0.5	11	4
Mercury	B005	1 µg Hg/l	1,471	0	< 0.012	< 0.012	0
Nickel	B006A	20 µg Ni/l	1,474	2	< 0.9	8.4	2
Nitrate	A012	50 mg NO ₃ /l	1,701	1	1.04	43.7	1
Nitrate/Nitrite Formula	A013C	1 mg NO ₂ /l	1,701	1	0.02	0.875	0
Nitrite (Consumers tap)	A013A	0.5 mg NO ₂ /l	1,701	0	< 0.003	0.053	0
Pesticides - Total Substances	B010	0.5 µg/l	1,118	0	0	0.071	0
Pesticides 2,3,6-Tba	P074	0.1 µg/l	573	0	< 0.002	< 0.006	0
Pesticides 2,4,5-T	P076	0.1 µg/l	573	0	< 0.002	< 0.003	0
Pesticides 2,4,-Db	P082	0.1 µg/l	573	0	< 0.002	< 0.005	0
Pesticides 2,4-D	P020	0.1 µg/l	573	0	< 0.002	0.005	0
Pesticides Aldrin	P002	0.03 µg/l	306	0	< 0.002	< 0.006	0
Pesticides Alpha-HCH	P003	0.1 µg/l	306	0	< 0.002	< 0.004	0
Pesticides Ametryn	P222	0.1 µg/l	1,061	0	< 0.003	< 0.003	0
Pesticides Atrazine	P004	0.1 µg/l	1,061	1	< 0.003	0.04	1
Pesticides Benazolin	P138	0.1 µg/l	573	0	< 0.002	< 0.004	0
Pesticides Bentazone	P006	0.1 µg/l	573	0	< 0.002	< 0.003	0
Pesticides Beta-HCH	P007	0.1 µg/l	306	0	< 0.002	< 0.004	0
Pesticides Bromacil	P086	0.1 µg/l	1,061	0	< 0.004	< 0.005	0
Pesticides Bromoxynil	P008	0.1 µg/l	573	0	< 0.002	< 0.007	0

Pesticides Captan	P192	0.1 µg/l	1,061	0 < 0.002	0.005	0
Pesticides Carbendazim	P150	0.1 µg/l	185	0 < 0.002	< 0.002	0
Pesticides Carbetamide	P010	0.1 µg/l	185	0 < 0.006	0.008	0
Pesticides Chlordane-Alpha	P089	0.1 µg/l	306	0 < 0.002	< 0.004	0
Pesticides Chlorothalonil	P015	0.1 µg/l	306	0 < 0.003	< 0.006	0
Pesticides Chlortoluron	P014	0.1 µg/l	185	0 < 0.004	0.005	0
Pesticides Clopyralid	P018	0.1 µg/l	573	0 < 0.001	0.02	0
Pesticides Cyanazine	P092	0.1 µg/l	1,061	0 < 0.005	< 0.005	0
Pesticides Cyfluthrin	P093	0.1 µg/l	306	0 < 0.003	< 0.006	0
Pesticides Cypermethrin	P094	0.1 µg/l	306	0 < 0.003	< 0.006	0
Pesticides Delta-HCH	P022	0.1 µg/l	306	0 < 0.002	< 0.004	0
Pesticides Deltamethrin	P095	0.1 µg/l	306	0 < 0.004	< 0.008	0
Pesticides Dicamba	P025	0.1 µg/l	573	0 < 0.002	< 0.006	0
Pesticides Dichlobenil	P098	0.1 µg/l	306	0 < 0.001	< 0.002	0
Pesticides Dichlorprop	P026	0.1 µg/l	573	0 < 0.002	< 0.003	0
Pesticides Dieldrin	P028	0.03 µg/l	306	0 < 0.002	< 0.004	0
Pesticides Diflufenican	P157	0.1 µg/l	1,061	0 < 0.005	< 0.005	0
Pesticides Diuron	P032	0.1 µg/l	185	0 < 0.003	0.01	0
Pesticides Endosulfan A (alpha-Endosulfan)	P101	0.1 µg/l	306	0 < 0.003	< 0.003	0
Pesticides Endosulfan B (beta-Endosulfan)	P102	0.1 µg/l	306	0 < 0.003	< 0.006	0
Pesticides Endrin	P034	0.1 µg/l	306	0 < 0.003	< 0.006	0
Pesticides EPTC	P035	0.1 µg/l	1,061	0 < 0.002	< 0.002	0
Pesticides Ethofumersate	P221	0.1 µg/l	1,061	0 < 0.006	< 0.006	0
Pesticides Fenoprop	P105	0.1 µg/l	573	0 < 0.002	< 0.003	0
Pesticides Fenpropidin	P168	0.1 µg/l	1,061	0 < 0.004	< 0.004	0
Pesticides Fenpropimorph	P037	0.1 µg/l	1,061	0 < 0.002	< 0.002	0
Pesticides Fenvalerate	P158	0.1 µg/l	306	0 < 0.003	< 0.006	0
Pesticides Fluroxypyr	P040	0.1 µg/l	573	0 < 0.002	0.01	0
Pesticides Flutriafol	P039	0.1 µg/l	1,061	0 < 0.007	< 0.007	0
Pesticides Gamma-HCH (Lindane)	P041	0.1 µg/l	306	0 < 0.002	< 0.004	0
Pesticides Heptachlor	P043	0.03 µg/l	306	0 < 0.002	< 0.004	0
Pesticides Heptachlor epoxide	P044	0.03 µg/l	306	0 < 0.002	< 0.004	0
Pesticides Hexachlorobenzene	P045	0.1 µg/l	306	0 < 0.002	< 0.004	0
Pesticides Hexachlorobutadiene	P108	0.1 µg/l	306	0 < 0.002	< 0.004	0
Pesticides Ioxynil	P049	0.1 µg/l	573	0 < 0.001	< 0.004	0
Pesticides Isodrin	P047	0.1 µg/l	306	0 < 0.003	< 0.006	0
Pesticides Isoproturon	P048	0.1 µg/l	185	0 < 0.002	0.013	0
Pesticides Linuron	P051	0.1 µg/l	185	0 < 0.005	< 0.005	0
Pesticides MCPA	P054	0.1 µg/l	573	0 < 0.002	0.005	0
Pesticides MCPB	P055	0.1 µg/l	573	0 < 0.002	< 0.004	0
Pesticides MCPP(Mecoprop)	P053	0.1 µg/l	573	0 < 0.002	0.009	0

Pesticides Metamitron	P194	0.1 µg/l	185	0	< 0.003	< 0.003	0
Pesticides Metazachlor	P203	0.1 µg/l	1,061	0	< 0.003	0.015	0
Pesticides Methabenzthiazuron	P167	0.1 µg/l	185	0	< 0.003	0.006	0
Pesticides Methoxychlor	P057	0.1 µg/l	306	0	< 0.003	0.006	0
Pesticides Monuron	P113	0.1 µg/l	185	0	< 0.004	< 0.004	0
Pesticides op-DDD (TDE)	P114	0.1 µg/l	306	0	< 0.002	< 0.004	0
Pesticides op-DDE	P115	0.1 µg/l	306	0	< 0.002	< 0.004	0
Pesticides op-DDT	P116	0.1 µg/l	306	0	< 0.002	< 0.004	0
Pesticides PCB - Arochlor 1254	P134	0.1 µg/l	306	0	< 0.018	< 0.018	0
Pesticides Pendimethalin	P118	0.1 µg/l	1,061	0	< 0.005	< 0.005	0
Pesticides Permethrin-cis	P120	0.1 µg/l	306	0	< 0.003	< 0.006	0
Pesticides Permethrin-trans	P121	0.1 µg/l	306	0	< 0.004	< 0.008	0
Pesticides Pirimicarb	P064	0.1 µg/l	1,061	0	< 0.003	< 0.003	0
Pesticides pp-DDD (TDE)	P123	0.1 µg/l	306	0	< 0.003	< 0.006	0
Pesticides pp-DDE	P124	0.1 µg/l	306	0	< 0.002	< 0.004	0
Pesticides pp-DDT	P125	0.1 µg/l	306	0	< 0.002	< 0.004	0
Pesticides Prometryn	P070	0.1 µg/l	1,061	0	< 0.003	< 0.003	0
Pesticides Propachlor	P126	0.1 µg/l	1,061	0	< 0.005	< 0.005	0
Pesticides Propazine	P066	0.1 µg/l	1,061	0	< 0.004	< 0.004	0
Pesticides Propiconazole	P068	0.1 µg/l	1,061	0	< 0.01	< 0.01	0
Pesticides Propyzamide	P071	0.1 µg/l	1,061	0	< 0.004	0.025	0
Pesticides Simazine	P073	0.1 µg/l	1,061	0	< 0.007	0.028	0
Pesticides Tecnazene	P130	0.1 µg/l	1,061	0	< 0.002	< 0.002	0
Pesticides Terbutryn	P077	0.1 µg/l	1,061	0	< 0.003	< 0.003	0
Pesticides Triadimefon	P078	0.1 µg/l	1,061	0	< 0.009	< 0.009	0
Pesticides Tri-allate	P079	0.1 µg/l	1,061	0	< 0.008	< 0.008	0
Pesticides Trichlopyr	P131	0.1 µg/l	573	0	< 0.003	0.055	0
Pesticides Trichlorobenzene	P172	0.1 µg/l	306	0	< 0.002	< 0.004	0
Pesticides Trietazine	P132	0.1 µg/l	1,061	0	< 0.006	< 0.006	0
Pesticides Trifluralin	P081	0.1 µg/l	1,061	0	< 0.002	< 0.002	0
Polycyclic aromatic hydrocarbons	B011F	0.1 µg/l	1,471	0	0	0.002	0
Selenium	B009	10 µg Se/l	1,472	0	< 0.22	2.327	0
Tetrachloroethene/Trichloroethene - sum of two substances	D009B	10 µg/l	1,471	0	0	1.508	0
Total Trihalomethanes	D011	100 µg/l	1,472	0	0.715	68.997	0
Totals:			103,320	14			

Table SVT 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	4,937	0	< 11	68.62	0
Colour	A001	20 mg/l Pt/Co scale	4,011	0	< 0.4	2.4	0
Iron	A022	200 µg Fe/l	5,453	8	< 7	87.46	8
Manganese	A023	50 µg Mn/l	4,357	1	< 1.5	6.826	1
Organoleptic Odour	A003	<1 dilution number at 25°C	4,457	15			15
Organoleptic Taste	A004	<1 dilution number at 25°C	4,457	5			5
Sodium	A009	200 mg Na/l	1,472	0	3.9	106	0
Tetrachloromethane	D008	3 µg/l	1,471	0	< 0.02	< 0.04	0
Turbidity	A002	4 nephelometric turbidity units	4,863	0	< 0.05	0.264	0
Totals:			35,478	29			

Table SVT 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	4,240	1	< 0.009	0.077
Chloride (Indicator)	D002A	250 mg Cl/l	1,473	0	7.374	115.26
Clostridium Perfringens (Indicator)	C004A	0 number/100 ml	3,611	5	0	0
Coliform Bacteria (Indicator)	C001A	0 number/100 ml	18,878	26	0	0
Colony Counts After 3 Days At 22°C (Indicator)	C007	No abnormal change	6,664	N/A	0	62
Colony Counts After 48 Hours At 37°C (Indicator)	C013	No abnormal change	6,664	N/A	0	29
Conductivity (Indicator)	D001	2500 µS/cm	3,961	0	105	852.38
Gross Alpha Activity	F004	0.1 Bq/l	24	2	< 0.003	0.146
Gross Beta Activity	F005	1 Bq/l	24	0	0.001	0.15
Hydrogen ion (pH)	A006	9.5 pH Value	5,861	3	6.78	8.6
Residual Disinfectant - Free	C009	No abnormal change	18,878	N/A	0.01	0.46
Residual Disinfectant - Total	C010	No abnormal change	18,878	N/A	0.04	0.61
Sulphate (Indicator)	A007	250 mg SO ₄ /l	1,473	0	5.85	134
Total organic carbon (indicator)	A017	No abnormal change	1,473	N/A	0.31	3.913
Totals:			92,102	37		