

## **Data summary tables for South West Water (SWT)**

These tables contain a summary of results of monitoring undertaken by the water company in 2019 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 2019*.

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 9 July 2020  
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Site Summary Data for South West Water Ltd

Report Date Range: For the whole year 2019

**Table SWT 1: Quality of water leaving service 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 (Total)	A013B	0.1 mg NO <sub>2</sub> /l	309	0	< 0.005	0.0194	0
<b>Totals:</b>			<b>309</b>	<b>0</b>			

**Table SWT 2: Quality of water leaving service 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
E coli (faecal coliforms Confirmed)	C002	0 number/100 ml	7,718	0	0	0	0
Total Coliforms (Confirmed)	C001	0 number/100 ml	7,718	3	0	0	2
<b>Totals:</b>			<b>15,436</b>	<b>3</b>			

**Table SWT 3: Quality of water leaving service 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 (Colony Counts)	C007	No abnormal change	7,690	-n/a	0	3
Residual Disinfectant - Free	C009	No abnormal change	7,728	-n/a	0.36	1.17
Residual Disinfectant - Total	C010	No abnormal change	7,728	-n/a	0.39	1.21
Turbidity - Indicator	A002A	1 NTU	7,721	3	< 0.1	0.36
<b>Totals:</b>			<b>30,867</b>	<b>3</b>		

**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
E coli (faecal coliforms Confirmed)	C002	0 number/100 ml	13,258	1	0	0	1
Total Coliforms (Confirmed)	C001	0 number/100 ml	13,258	3	0	0	0
<b>Totals:</b>			<b>26,516</b>	<b>4</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 22øc (Colony Counts)	C007	No abnormal change	13,195	-n/a	0	63
Residual Disinfectant - Free	C009	No abnormal change	13,258	-n/a	0.0659	0.91
Residual Disinfectant - Total	C010	No abnormal change	13,258	-n/a	0.12	0.96
<b>Totals:</b>			<b>39,711</b>	<b>0</b>		

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	277	0	< 0.004	0.018508	0
Cyanide (Total)	B003	50 µg CN/l	263	0	< 1	1.872	0
Fluoride (Total)	A027	1.5 mg F/l	277	0	< 0.00878	0.167	0
Mercury (Total)	B005	1 µg Hg/l	278	0	< 0.02	0.5331	0
Pesticides (Total by Calculation)	B010	0.5 µg/l	323	0	0	0.033	0
Pesticides 2 4-D	P020	0.1 µg/l	282	0	< 0.003	< 0.007	0
Pesticides 2 4-DB	P082	0.1 µg/l	282	0	< 0.003	< 0.004	0
Pesticides Atrazine	P004	0.1 µg/l	281	0	< 0.011	0.033	0
Pesticides Azoxystrobin	P227	0.1 µg/l	281	0	< 0.006	< 0.006	0
Pesticides Benazolin (Total)	P138	0.1 µg/l	77	0	< 0.004	< 0.01	0
Pesticides Bentazone	P006	0.1 µg/l	282	0	< 0.002	< 0.009	0
Pesticides Boscalid	P231	0.1 µg/l	281	0	< 0.009	< 0.009	0
Pesticides Bromoxynil	P008	0.1 µg/l	283	0	< 0.003	< 0.003	0
Pesticides Carbendazim (Total)	P150	0.1 µg/l	281	0	< 0.005	< 0.005	0
Pesticides Chlorpyrifos (Chlorpyrifos Ethyl)	P017	0.1 µg/l	277	0	< 0.006	< 0.006	0
Pesticides Chlortoluron	P014	0.1 µg/l	281	0	< 0.004	< 0.004	0
Pesticides Clopyralid	P018	0.1 µg/l	282	0	< 0.004	< 0.01017	0
Pesticides Cyprodinil	P228	0.1 µg/l	276	0	< 0.004	< 0.004	0
Pesticides Cyromazine	P223	0.1 µg/l	281	0	< 0.012	< 0.012	0
Pesticides Diazinon	P024	0.1 µg/l	276	0	< 0.005	< 0.005	0
Pesticides Dicamba	P025	0.1 µg/l	283	0	< 0.004	< 0.00632	0
Pesticides Dichlobenil	P098	0.1 µg/l	296	0	< 0.004	< 0.004	0
Pesticides Dichlorprop	P026	0.1 µg/l	283	0	< 0.003	< 0.003	0
Pesticides Dieldrin	P028	0.03 µg/l	297	0	< 0.004	< 0.004	0
Pesticides Diflufenican	P157	0.1 µg/l	288	0	< 0.005	< 0.005	0
Pesticides Diuron	P032	0.1 µg/l	281	0	< 0.007	< 0.015	0
Pesticides Epoxyconazole	P217	0.1 µg/l	296	0	< 0.005	< 0.005	0
Pesticides Fenpropimorph	P037	0.1 µg/l	293	0	< 0.004	< 0.004	0
Pesticides Fluroxypyr	P040	0.1 µg/l	281	0	< 0.005	0.0109	0
Pesticides Gamma-HCH (Lindane)	P041	0.1 µg/l	296	0	< 0.004	< 0.004	0
Pesticides Ioxynil	P049	0.1 µg/l	283	0	< 0.003	< 0.003	0
Pesticides Isoproturon	P048	0.1 µg/l	281	0	< 0.005	< 0.005	0
Pesticides Linuron	P051	0.1 µg/l	281	0	< 0.009	< 0.009	0
Pesticides MCPA 4-chloro-o-tolylxyacetic acid	P054	0.1 µg/l	283	0	< 0.004	0.0068	0
Pesticides MCPB	P055	0.1 µg/l	283	0	< 0.004	< 0.00496	0
Pesticides MCPP (Mecoprop)	P053	0.1 µg/l	280	0	< 0.003	< 0.00395	0

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
Pesticides Metaldehyde	P226	0.1 µg/l	279	0	< 0.003	0.0032	0
Pesticides Metamitron	P194	0.1 µg/l	281	0	< 0.014	< 0.014	0
Pesticides Pendimethalin	P118	0.1 µg/l	287	0	< 0.006	< 0.006	0
Pesticides Pentachlorophenol	P060	0.1 µg/l	283	0	< 0.004	< 0.004	0
Pesticides Picloram (Total)	P122	0.1 µg/l	282	0	< 0.005	< 0.006	0
Pesticides Propamocarb	P238	0.1 µg/l	280	0	< 0.004	< 0.004	0
Pesticides Propyzamide	P071	0.1 µg/l	281	0	< 0.004	< 0.004	0
Pesticides Quinmerac	P244	0.1 µg/l	6	0	< 0.002	< 0.002	0
Pesticides Simazine	P073	0.1 µg/l	281	0	< 0.004	0.004	0
Pesticides Tebuconazole	P177	0.1 µg/l	281	0	< 0.006	< 0.006	0
Pesticides Triclopyr	P131	0.1 µg/l	283	0	< 0.006	< 0.013	0
<b>Totals:</b>			<b>12,830</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	D002A	250 mg Cl/l	273	0	8.74	52.52
Clostridium Perfringens (Sulphite-reducing Clostridia) (Confirmed)	C004A	0 number/100 ml	2,158	0	0	0
Conductivity (Electrical Conductivity)	D001	2500 µS/cm at 20°C	2,155	0	76.58	488
Sulphate	A007	250 mg SO <sub>4</sub> /l	275	0	< 2	53.244
Total Organic Carbon	A017	No abnormal change	262	-n/a	0.21	2.6105
<b>Totals:</b>			<b>5,123</b>	<b>0</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 failing standard
1 2-Dichloroethane (Total)	F001	3 µg/l	315	0	< 0.1	< 0.1	0
Antimony	B008A	5 µg Sb/l	315	0	< 0.05	< 0.26	0
Arsenic (Total)	B001A	10 µg As/l	315	0	< 0.2	0.824	0
Benzene (Total)	F002	1 µg/l	315	0	< 0.1	< 0.1	0
Benzo[a]Pyrene (Total)	D007	0.01 µg/l	339	1	< 0.0003	0.00092	1
Bromate	F003	10 µg BrO3/l	312	0	< 0.1	4.435	0
Cadmium (Total)	B002	5 µg Cd/l	315	0	< 0.04	< 0.25	0
Chromium (Total)	B004	50 µg Cr/l	315	0	< 0.4	0.65816	0
Copper (Total)	A024A	2 mg Cu/l	320	0	< 0.00095	0.13958	0
E coli (faecal coliforms Confirmed)	C002	0 number/100 ml	4,544	0	0	0	0
Enterococci (Confirmed)	C003	0 number/100 ml	314	0	0	0	0
Lead (10 - will apply 25.12.2013)	B007B	10 µg Pb/l	320	0	< 0.05	3.2529	0
Nickel (Total)	B006A	20 µg Ni/l	320	0	< 1	8.7475	0
Nitrate (Total)	A012	50 mg NO3/l	315	0	< 2	33.57	0
Nitrite - Consumer's Taps	A013A	0.5 mg NO2/l	315	0	< 0.005	< 0.01	0
Nitrite/Nitrate formula	A013C	1 mg/l	315	0	0	0.67	0
Polycyclic Aromatic Hydrocarbons (Total by Calculation)	B011F	0.1 µg/l	316	1	0	0.01181	1
Selenium (Total)	B009	10 µg Se/l	315	0	< 0.15	0.9868	0
Trichloroethene & Tetrachloroethene - Sum Of 2 Substances (Total by Calculation)	D009B	10 µg/l	315	0	0	0.8	0
Trihalomethanes (Total by Calculation)	D011	100 µg/l	315	0	1.648	83.896	0
<b>Totals:</b>			<b>10,565</b>	<b>2</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 failing standard
Aluminium (Total)	A021	200 µg Al/l	1,573	0	< 2.5	47.152	0
Colour	A001	20 mg/l Pt/Co	1,568	0	< 0.2	2.031	0
Iron (Total)	A022	200 µg Fe/l	1,573	0	< 4	76.112	0
Manganese (Total)	A023	50 µg Mn/l	1,573	1	< 0.2	7.2178	1
Odour	A003	0 Dilution number at 25°C	1,570	0	0	0	0
Sodium (Total)	A009	200 mg Na/l	315	0	4.7	30.84	0
Taste (Taste Quant)	A004	0 Dilution number at 25°C	1,569	0	0	0	0
Tetrachloromethane (Total)	D008	3 µg/l	315	0	< 0.1	0.1	0
Turbidity	A002	4 NTU	1,573	0	< 0.1	0.4426	0
<b>Totals:</b>			<b>11,629</b>	<b>1</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 (Total)	A014	0.5 mg NH <sub>4</sub> /l	1,565	0	< 0.02	0.03
Coliform Bacteria (Indicator)	C001A	0 number/100 ml	4,544	3	0	0
Colony Counts After 3 Days At 22°C (Colony Counts)	C007	No abnormal change	4,528	-n/a	0	42
Hydrogen ion (pH) - Indicator (Hydrogen ion) (pH)	A006	6.5 - 9.5 pH Value	1,573	1	7.3	9.1
Residual Disinfectant - Free	C009	No abnormal change	4,553	-n/a	0.05	0.99
Residual Disinfectant - Total	C010	No abnormal change	4,553	-n/a	0.12	1.06
<b>Totals:</b>			<b>21,316</b>	<b>4</b>		