

Data summary tables for South West Water Ltd (SWT)

These tables contain a summary of results of monitoring undertaken by the water company in 2017 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 2017*.

The tables and full content of the Drinking Water Inspectorate's annual report are available on the Inspectorate's website at <http://www.dwi.defra.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 South West Water Ltd

Report Date Range: For the whole year 2017

Table SWT 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 (Total)	A013B	0.1 mg NO ₂ /l	374	0	< 0.01	0.01	0
Totals:			374	0			

Table SWT 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
E coli (faecal coliforms Confirmed)	C002	0 number/100 ml	7,624	0	0	0	0
Total Coliforms (Confirmed)	C001	0 number/100 ml	7,624	1	0	0	1
Totals:			15,248	1			

Table SWT 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 22øc (Colony Counts)	C007	No abnormal change	7,620	-n/a	0	7
Residual Disinfectant - Free	C009	No abnormal change	7,630	-n/a	0.33	1.31
Residual Disinfectant - Total	C010	No abnormal change	7,630	-n/a	0.3831	1.39
<i>Combined Chlorine/Residual Disinfectant Combined*</i>	-(n/a)	-(n/a)	(7,630)	-n/a	0	0.2
Turbidity - Indicator	A002A	1 nephelometric turbidity units	7,625	0	< 0.1	0.34
Totals:			30,505	0		

*Residual disinfectant combined is presented for information. It is not a parameter required by the regulations. It is derived from the parameters

'Residual Disinfectant - Total' minus 'Residual Disinfectant - Free'.

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	13,211	1	0	0	1
Total Coliforms (Confirmed)	C001	0 number/100 ml	13,211	8	0	0	0
Totals:			26,422	9			

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	13,198	-n/a	0	> 175
Residual Disinfectant - Free	C009	No abnormal change	13,210	-n/a	0.04	0.9
Residual Disinfectant - Total	C010	No abnormal change	13,210	-n/a	0.11	0.97
<i>Combined Chlorine/Residual Disinfectant Combined*</i>	<i>-(n/a)</i>	<i>-(n/a)</i>	<i>(13,210)</i>	<i>-n/a</i>	<i>0</i>	<i>0.19</i>
Totals:			39,618	0		

*Residual disinfectant combined is presented for information. It is not a parameter required by the regulations. It is derived from the parameters 'Residual Disinfectant - Total' minus 'Residual Disinfectant - Free'.

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	334	0	< 0.007	0.01776	0
Cyanide (Total)	B003	50 µg CN/l	328	0	< 1	3.571	0
Fluoride (Total)	A027	1.5 mg F/l	334	0	< 0.008	0.14565	0
Mercury (Total)	B005	1 µg Hg/l	334	0	< 0.03	0.09965	0
Pesticides (Total by Calculation)	B010	0.5 µg/l	454	0	0	0.03445	0
Pesticides 2 4-D	P020	0.1 µg/l	357	0	< 0.006	< 0.006	0
Pesticides 2 4-DB	P082	0.1 µg/l	359	0	< 0.003	< 0.003	0
Pesticides Atrazine	P004	0.1 µg/l	334	0	< 0.011	0.03365	0
Pesticides Azoxystrobin	P227	0.1 µg/l	334	0	< 0.006	< 0.006	0
Pesticides Benazolin (Total)	P138	0.1 µg/l	346	0	< 0.004	< 0.005	0
Pesticides Bentazone	P006	0.1 µg/l	351	0	< 0.009	< 0.012	0
Pesticides Boscalid	P231	0.1 µg/l	334	0	< 0.009	< 0.009	0
Pesticides Bromoxynil	P008	0.1 µg/l	373	0	< 0.003	0.00452	0
Pesticides Carbendazim (Total)	P150	0.1 µg/l	334	0	< 0.005	< 0.0141	0
Pesticides Chlorpyrifos (Chlorpyriphos Ethyl)	P017	0.1 µg/l	383	0	< 0.006	< 0.008	0
Pesticides Chlortoluron	P014	0.1 µg/l	334	0	< 0.004	< 0.004	0
Pesticides Clopyralid	P018	0.1 µg/l	345	0	< 0.004	0.00754	0
Pesticides Cyprodinil	P228	0.1 µg/l	347	0	< 0.004	< 0.006	0
Pesticides Cyromazine	P223	0.1 µg/l	334	0	< 0.012	< 0.012	0
Pesticides Diazinon	P024	0.1 µg/l	339	0	< 0.005	< 0.007	0
Pesticides Dicamba	P025	0.1 µg/l	354	0	< 0.004	< 0.004	0
Pesticides Dichlobenil	P098	0.1 µg/l	379	0	< 0.004	< 0.006	0
Pesticides Dichlorprop	P026	0.1 µg/l	351	0	< 0.003	< 0.004	0
Pesticides Dieldrin	P028	0.03 µg/l	391	0	< 0.004	< 0.006	0
Pesticides Diflufenican	P157	0.1 µg/l	377	0	< 0.005	< 0.007	0
Pesticides Diuron	P032	0.1 µg/l	334	0	< 0.007	< 0.007	0
Pesticides Epoxyconazole	P217	0.1 µg/l	364	0	< 0.005	< 0.008	0
Pesticides Fenpropimorph	P037	0.1 µg/l	376	0	< 0.004	< 0.006	0
Pesticides Fluroxypyr	P040	0.1 µg/l	348	0	< 0.005	< 0.007	0
Pesticides Gamma-HCH (Lindane)	P041	0.1 µg/l	378	0	< 0.004	< 0.006	0
Pesticides Ioxynil	P049	0.1 µg/l	334	0	< 0.003	< 0.00625	0
Pesticides Isoproturon	P048	0.1 µg/l	334	0	< 0.005	< 0.005	0
Pesticides Linuron	P051	0.1 µg/l	334	0	< 0.009	< 0.009	0
Pesticides MCPA 4-chloro-o-tolyloxyacetic acid	P054	0.1 µg/l	365	1	< 0.006	< 0.011	1
Pesticides MCPB	P055	0.1 µg/l	350	0	< 0.004	< 0.004	0
Pesticides MCPP (Mecoprop)	P053	0.1 µg/l	341	0	< 0.003	< 0.003	0
Pesticides Metaldehyde	P226	0.1 µg/l	347	0	< 0.003	0.008	0
Pesticides Metamitron	P194	0.1 µg/l	334	0	< 0.014	< 0.014	0
Pesticides Pendimethalin	P118	0.1 µg/l	353	0	< 0.006	< 0.008	0
Pesticides Pentachlorophenol	P060	0.1 µg/l	361	0	< 0.004	< 0.005	0

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
Pesticides Picloram (Total)	P122	0.1 µg/l	371	0	< 0.006	< 0.008	0
Pesticides Propamocarb	P238	0.1 µg/l	334	0	< 0.004	< 0.007	0
Pesticides Propyzamide	P071	0.1 µg/l	334	0	< 0.004	< 0.004	0
Pesticides Simazine	P073	0.1 µg/l	334	0	< 0.004	< 0.004	0
Pesticides Tebuconazole	P177	0.1 µg/l	334	0	< 0.006	< 0.025	0
Pesticides Triclopyr	P131	0.1 µg/l	345	0	< 0.006	< 0.006	0
Radon	F031	100 Bq/l	298	0	< 0.5	13.713	0
Totals:			16,443	1			

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	340	0	9	46.59
Clostridium Perfringens (Sulphite-reducing Clostridia) (Confirmed)	C004A	0 number/100 ml	2,053	1	0	0
Conductivity (Electrical Conductivity)	D001	2500 µS/cm	2,054	0	73.655	525
Sulphate	A007	250 mg SO ₄ /l	340	0	< 2	43.159
Total Organic Carbon	A017	No abnormal change	337	-n/a	< 0.21	4.9922
Totals:			5,124	1		

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	383	0	< 0.1	< 0.2	0
Antimony	B008A	5 µg Sb/l	381	0	< 0.26	0.99	0
Arsenic (Total)	B001A	10 µg As/l	381	0	< 0.2	0.8636	0
Benzene (Total)	F002	1 µg/l	383	0	< 0.1	< 0.2	0
Benzo[a]Pyrene (Total)	D007	0.01 µg/l	397	0	< 0.001	< 0.001	0
Bromate	F003	10 µg BrO ₃ /l	382	0	< 0.1	4.217	0
Cadmium (Total)	B002	5 µg Cd/l	381	0	< 0.223	< 0.25	0
Chromium (Total)	B004	50 µg Cr/l	381	0	< 0.4	< 1	0
Copper (Total)	A024A	2 mg Cu/l	383	0	< 0.002	0.37728	0
E coli (faecal coliforms Confirmed)	C002	0 number/100 ml	4,587	1	0	0	1
Enterococci (Confirmed)	C003	0 number/100 ml	381	1	0	0	1
Lead (10 - will apply 25.12.2013)	B007B	10 µg Pb/l	383	3	< 0.2	10.4524	3
Nickel (Total)	B006A	20 µg Ni/l	383	1	< 1	4.1108	1
Nitrate (Total)	A012	50 mg NO ₃ /l	382	0	< 3.4	35.6597	0
Nitrite - Consumer's Taps	A013A	0.5 mg NO ₂ /l	381	0	< 0.01	< 0.01	0
Nitrite/Nitrate formula	A013C	1 mg NO ₂ /l	382	0	0	0.7117	0
Polycyclic Aromatic Hydrocarbons (Total by Calculation)	B011F	0.1 µg/l	397	0	0	0.00302	0
Selenium (Total)	B009	10 µg Se/l	381	0	< 0.15	1	0
Trichloroethene & Tetrachloroethene - Sum Of 2 Substances (Total by Calculation)	D009B	10 µg/l	381	0	0	0.8	0
Trihalomethanes (Total by Calculation)	D011	100 µg/l	383	0	1.284	79.36	0
Totals:			11,873	6			

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	1,632	0	< 7	52.94	0
Colour	A001	20 mg/l Pt/Co scale	1,634	0	< 0.2	1.5	0
Iron (Total)	A022	200 µg Fe/l	1,632	1	< 6.5	77.271	1
Manganese (Total)	A023	50 µg Mn/l	1,631	0	< 1.1	14.376	0
Odour	A003	0 Dilution number	1,632	0	0	0	0
Sodium (Total)	A009	200 mg Na/l	381	0	4.464	20.18	0
Taste (Taste Quant)	A004	0 Dilution number	1,631	0	0	0	0
Tetrachloromethane (Total)	D008	3 µg/l	383	0	< 0.1	< 0.2	0
Turbidity	A002	4 nephelometric turbidity units	1,634	0	< 0.1	0.373	0
Totals:			12,190	1			

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 ₄ /l	1,634	0	< 0.01	0.0565
Coliform Bacteria (Indicator)	C001A	0 number/100 ml	4,587	6	0	0
Colony Counts After 3 Days At 22°C (Colony Counts)	C007	No abnormal change	4,583	-n/a	0	67
Hydrogen ion (pH) - Indicator (Hydrogen ion) (pH)	A006	6.5 - 9.5 pH Value	1,633	0	7.3	9
Residual Disinfectant - Free	C009	No abnormal change	4,589	-n/a	0.04	0.91
Residual Disinfectant - Total	C010	No abnormal change	4,589	-n/a	0.1	0.99
<i>Combined Chlorine/Residual Disinfectant Combined*</i>	<i>-(n/a)</i>	<i>-(n/a)</i>	<i>(4,589)</i>	<i>-n/a</i>	0	0.2
Totals:			21,615	6		

*Residual disinfectant combined is presented for information. It is not a parameter required by the regulations. It is derived from the parameters

'Residual Disinfectant - Total' minus 'Residual Disinfectant - Free'.