

## **Data summary tables for SES Water (SES)**

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.

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Site Summary Data for SES Water

Report Date Range: For the whole year 2019

Table SES 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	2,099	0	< 0.003	0.004	0
<b>Totals:</b>			<b>2,099</b>	<b>0</b>			

Table SES 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	2,099	0	0	0	0
Total Coliforms (Confirmed)	C001	0 number/100 ml	2,099	0	0	0	0
<b>Totals:</b>			<b>4,198</b>	<b>0</b>			

Table SES 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	2,099	-n/a	0	47
Residual Disinfectant - Total	C010	No abnormal change	2,099	-n/a	0.21	1.1
Turbidity - Indicator	A002A	1 NTU	2,099	0	< 0.04	0.2
<b>Totals:</b>			<b>6,297</b>	<b>0</b>		

**Table SES 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	1,817	0	0	0	0
Total Coliforms (Confirmed)	C001	0 number/100 ml	1,817	0	0	0	0
<b>Totals:</b>			<b>3,634</b>	<b>0</b>			

**Table SES 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	1,817	-n/a	0	> 2000
Residual Disinfectant - Total	C010	No abnormal change	1,817	-n/a	< 0.04	0.83
<b>Totals:</b>			<b>3,634</b>	<b>0</b>		

Table SES 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
Bromate	F003	10 µg BrO <sub>3</sub> /l	56	0	< 0.4	0.7	0
Cyanide (Total)	B003	50 µg CN/l	56	0	< 2	3.9	0
Fluoride (Total)	A027	1.5 mg F/l	56	0	0.06	0.22	0
Mercury (Total)	B005	1 µg Hg/l	56	0	< 0.02	< 0.02	0
Pesticides (Total by Calculation)	B010	0.5 µg/l	56	0	0.002	0.066	0
Pesticides 2 4-D	P020	0.1 µg/l	8	0	< 0.003	< 0.005	0
Pesticides Aldrin	P002	0.03 µg/l	60	0	< 0.007	< 0.007	0
Pesticides Atrazine	P004	0.1 µg/l	56	0	< 0.002	0.039	0
Pesticides Azoxystrobin	P227	0.1 µg/l	56	0	< 0.005	< 0.007	0
Pesticides Boscalid	P231	0.1 µg/l	56	0	< 0.005	< 0.005	0
Pesticides Carbendazim (Total)	P150	0.1 µg/l	56	0	< 0.002	< 0.005	0
Pesticides Carbetamide	P010	0.1 µg/l	56	0	< 0.002	< 0.005	0
Pesticides Chlortoluron	P014	0.1 µg/l	56	0	< 0.002	< 0.005	0
Pesticides Clopyralid	P018	0.1 µg/l	8	0	0.01	0.018	0
Pesticides Dieldrin	P028	0.03 µg/l	60	0	< 0.006	< 0.007	0
Pesticides Diflufenican	P157	0.1 µg/l	56	0	< 0.003	< 0.005	0
Pesticides Dimethenamid	P245	0.1 µg/l	56	0	< 0.003	< 0.005	0
Pesticides Diuron	P032	0.1 µg/l	56	0	< 0.003	0.005	0
Pesticides Epoxyconazole	P217	0.1 µg/l	56	0	< 0.004	< 0.005	0
Pesticides Flufenacet	P230	0.1 µg/l	56	0	< 0.003	0.01	0
Pesticides Fluroxypyr	P040	0.1 µg/l	8	0	< 0.004	< 0.005	0
Pesticides Flutriafol	P039	0.1 µg/l	56	0	< 0.002	< 0.005	0
Pesticides Glyphosate	P042	0.1 µg/l	8	0	< 0.002	< 0.01	0
Pesticides Heptachlor	P043	0.03 µg/l	60	0	< 0.006	< 0.007	0
Pesticides Heptachlor Epoxide - Total (Trans, CIS) (Heptachlor Epoxide)	P044	0.03 µg/l	60	0	< 0.005	< 0.012	0
Pesticides Isoproturon	P048	0.1 µg/l	56	0	< 0.003	< 0.005	0
Pesticides MCPA 4-chloro-o-tolyloxyacetic acid	P054	0.1 µg/l	8	0	< 0.005	< 0.005	0
Pesticides MCPP (Mecoprop)	P053	0.1 µg/l	8	0	< 0.002	< 0.005	0
Pesticides Metaldehyde	P226	0.1 µg/l	22	0	0.005	0.027	0
Pesticides Metazachlor	P203	0.1 µg/l	56	0	< 0.001	< 0.005	0
Pesticides Methabenzthiazuron	P167	0.1 µg/l	56	0	< 0.001	0.002	0
Pesticides Pendimethalin	P118	0.1 µg/l	56	0	< 0.005	< 0.007	0
Pesticides Picloram (Total)	P122	0.1 µg/l	48	0	< 0.005	0.008	0
Pesticides Propyzamide	P071	0.1 µg/l	56	0	< 0.001	0.007	0
Pesticides Prosulfocarb	P243	0.1 µg/l	56	0	< 0.001	< 0.001	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 Quinmerac	P244	0.1 µg/l	8	0	0.009	0.02	0
Pesticides Simazine	P073	0.1 µg/l	56	0	< 0.004	0.027	0
Pesticides Tebuconazole	P177	0.1 µg/l	56	0	< 0.002	< 0.005	0
Pesticides Tri-allate	P079	0.1 µg/l	56	0	< 0.004	< 0.005	0
Pesticides Triclopyr	P131	0.1 µg/l	8	0	< 0.005	< 0.007	0
Radon	F031	100 Bq/l	1	0	0.6	0.6	0
<b>Totals:</b>			<b>1,831</b>	<b>0</b>			

**Table SES 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	56	0	22.7	54
Clostridium Perfringens (Sulphite-reducing Clostridia) (Confirmed)	C004A	0 number/100 ml	57	0	0	0
Conductivity (Electrical Conductivity)	D001	2500 µS/cm at 20°C	683	0	315.68	594
Gross Alpha	F004	0.1 Bq/l	9	0	< 0.02	0.05
Gross Beta	F005	1 Bq/l	9	0	< 0.28	< 0.28
Sulphate	A007	250 mg SO <sub>4</sub> /l	56	0	14.9	95.5
Total Organic Carbon	A017	No abnormal change	56	-n/a	0.23	4.63
<b>Totals:</b>			<b>926</b>	<b>0</b>		

Table SES 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	160	0	< 0.04	< 0.04	0
Antimony	B008A	5 µg Sb/l	160	0	< 0.05	0.4	0
Arsenic (Total)	B001A	10 µg As/l	160	0	< 0.08	0.6738	0
Benzene (Total)	F002	1 µg/l	160	0	< 0.01	0.02	0
Benzo[a]Pyrene (Total)	D007	0.01 µg/l	160	0	< 0.001	< 0.001	0
Boron	D005A	1 mg B/l	160	0	0.02461	0.074	0
Cadmium (Total)	B002	5 µg Cd/l	160	0	< 0.03	< 0.06	0
Chromium (Total)	B004	50 µg Cr/l	160	0	< 0.3	1.678	0
Copper (Total)	A024A	2 mg Cu/l	160	0	< 0.004	0.44218	0
E coli (faecal coliforms Confirmed)	C002	0 number/100 ml	1,849	0	0	0	0
Enterococci (Confirmed)	C003	0 number/100 ml	161	0	0	0	0
Lead (10 - will apply 25.12.2013)	B007B	10 µg Pb/l	161	2	< 0.2	13.418	2
Nickel (Total)	B006A	20 µg Ni/l	160	0	0.6	9.763	0
Nitrate (Total)	A012	50 mg NO <sub>3</sub> /l	680	0	8.481	36.019	0
Nitrite - Consumer's Taps	A013A	0.5 mg NO <sub>2</sub> /l	680	0	< 0.003	0.29457	0
Nitrite/Nitrate formula	A013C	1 mg/l	680	0	0.2	0.7	0
Polycyclic Aromatic Hydrocarbons (Total by Calculation)	B011F	0.1 µg/l	160	0	0	0	0
Selenium (Total)	B009	10 µg Se/l	160	0	< 0.14	1.978	0
Trichloroethene & Tetrachloroethene - Sum Of 2 Substances (Total by Calculation)	D009B	10 µg/l	160	0	0	2.7253	0
Trihalomethanes (Total by Calculation)	D011	100 µg/l	160	0	1.161	58.404	0
<b>Totals:</b>			<b>6,451</b>	<b>2</b>			

**Table SES 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	417	0	< 3	43.244	0
Colour	A001	20 mg/l Pt/Co	680	0	< 0.8	3.5	0
Iron (Total)	A022	200 µg Fe/l	548	3	< 3	97.577	3
Manganese (Total)	A023	50 µg Mn/l	417	0	< 0.5	10.082	0
Odour	A003	0 Dilution number at 25°C	682	0	0	0	0
Sodium (Total)	A009	200 mg Na/l	160	0	< 0.6	27	0
Taste (Taste Quant)	A004	0 Dilution number at 25°C	682	0	0	0	0
Tetrachloromethane (Total)	D008	3 µg/l	160	0	< 0.06	0.1056	0
Turbidity	A002	4 NTU	680	0	< 0.04	0.3419	0
<b>Totals:</b>			<b>4,426</b>	<b>3</b>			

**Table SES 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	680	0	< 0.02	0.1719
Coliform Bacteria (Indicator)	C001A	0 number/100 ml	1,849	0	0	0
Colony Counts After 3 Days At 22°C (Colony Counts)	C007	No abnormal change	680	-n/a	0	267
Hydrogen ion (pH) - Indicator (Hydrogen ion) (pH)	A006	6.5 - 9.5 pH Value	680	0	7.3	7.9
Residual Disinfectant - Total	C010	No abnormal change	1,849	-n/a	0.04	0.825
<b>Totals:</b>			<b>5,738</b>	<b>0</b>		