

## **Data summary tables for Bournemouth Water (SBW)**

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 Sembcorp Bournemouth Water Ltd

Report Date Range: For the whole year 2017

Table SBW 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 <sub>2</sub> /l	1,409	0	< 0.01	0.01	0
<b>Totals:</b>			<b>1,409</b>	<b>0</b>			

Table SBW 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	1,823	0	0	0	0
Total Coliforms (Confirmed)	C001	0 number/100 ml	1,823	1	0	0	1
<b>Totals:</b>			<b>3,646</b>	<b>1</b>			

Table SBW 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 (Colony Counts)	C007	No abnormal change	1,823	-n/a	0	> 7
Residual Disinfectant - Free	C009	No abnormal change	1,824	-n/a	0.02	0.41
Residual Disinfectant - Total	C010	No abnormal change	1,824	-n/a	0.26	0.59
Combined Chlorine/Residual Disinfectant Combined*	-(n/a)	-(n/a)	(1,824)	-n/a	0.02	0.54
Turbidity - Indicator	A002A	1 nephelometric turbidity units	1,821	0	< 0.1	0.3356
<b>Totals:</b>			<b>7,292</b>	<b>0</b>		

\*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 SBW 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	1,037	0	0	0	0
Total Coliforms (Confirmed)	C001	0 number/100 ml	1,037	2	0	0	0
<b>Totals:</b>			<b>2,074</b>	<b>2</b>			

**Table SBW 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	1,037	-n/a	0	166
Residual Disinfectant - Free	C009	No abnormal change	1,037	-n/a	0.01	0.38
Residual Disinfectant - Total	C010	No abnormal change	1,037	-n/a	0.02	0.47
<i>Combined Chlorine/Residual Disinfectant Combined*</i>	<i>-(n/a)</i>	<i>-(n/a)</i>	<i>(1,037)</i>	<i>-n/a</i>	<i>0.01</i>	<i>0.44</i>
<b>Totals:</b>			<b>3,111</b>	<b>0</b>		

\*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 SBW 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	77	0	< 0.007	0.0291	0
Cyanide (Total)	B003	50 µg CN/l	77	0	< 1	18	0
Fluoride (Total)	A027	1.5 mg F/l	77	0	0.023	0.234	0
Mercury (Total)	B005	1 µg Hg/l	77	0	< 0.03	0.038	0
Pesticides (Total by Calculation)	B010	0.5 µg/l	103	0	0	0.01596	0
Pesticides 2 4-D	P020	0.1 µg/l	87	0	< 0.006	< 0.011	0
Pesticides 2 4-DB	P082	0.1 µg/l	85	0	< 0.003	< 0.011	0
Pesticides Atrazine	P004	0.1 µg/l	77	0	< 0.011	< 0.011	0
Pesticides Azoxystrobin	P227	0.1 µg/l	77	0	< 0.006	< 0.006	0
Pesticides Benazolin (Total)	P138	0.1 µg/l	81	0	< 0.004	< 0.01	0
Pesticides Bentazone	P006	0.1 µg/l	81	0	< 0.009	< 0.012	0
Pesticides Boscalid	P231	0.1 µg/l	77	0	< 0.009	< 0.009	0
Pesticides Bromoxynil	P008	0.1 µg/l	87	0	< 0.003	< 0.008	0
Pesticides Carbendazim (Total)	P150	0.1 µg/l	77	0	< 0.005	< 0.019	0
Pesticides Chlorpyrifos (Chlorpyrifos Ethyl)	P017	0.1 µg/l	99	0	< 0.006	< 0.009	0
Pesticides Chlortoluron	P014	0.1 µg/l	77	0	< 0.004	< 0.004	0
Pesticides Clopyralid	P018	0.1 µg/l	83	0	< 0.004	< 0.01	0
Pesticides Cyprodinil	P228	0.1 µg/l	91	0	< 0.004	< 0.006	0
Pesticides Cyromazine	P223	0.1 µg/l	77	0	< 0.012	< 0.012	0
Pesticides Diazinon	P024	0.1 µg/l	94	0	< 0.005	< 0.008	0
Pesticides Dicamba	P025	0.1 µg/l	84	0	< 0.004	< 0.008	0
Pesticides Dichlobenil	P098	0.1 µg/l	99	0	< 0.004	< 0.006	0
Pesticides Dichlorprop	P026	0.1 µg/l	84	0	< 0.003	< 0.009	0
Pesticides Dieldrin	P028	0.03 µg/l	101	0	< 0.004	< 0.006	0
Pesticides Diflufenican	P157	0.1 µg/l	97	0	< 0.005	< 0.008	0
Pesticides Diuron	P032	0.1 µg/l	77	0	< 0.007	< 0.007	0
Pesticides Epoxyconazole	P217	0.1 µg/l	97	0	< 0.005	< 0.008	0
Pesticides Fenpropimorph	P037	0.1 µg/l	98	0	< 0.004	< 0.006	0
Pesticides Fluroxypyr	P040	0.1 µg/l	78	0	< 0.005	< 0.016	0
Pesticides Gamma-HCH (Lindane)	P041	0.1 µg/l	99	0	< 0.004	< 0.006	0
Pesticides Ioxynil	P049	0.1 µg/l	78	0	< 0.003	< 0.008	0
Pesticides Isoproturon	P048	0.1 µg/l	77	0	< 0.005	< 0.005	0
Pesticides Linuron	P051	0.1 µg/l	77	0	< 0.009	< 0.009	0
Pesticides MCPA 4-chloro-o-tolylxyacetic acid	P054	0.1 µg/l	84	0	< 0.006	< 0.011	0
Pesticides MCPB	P055	0.1 µg/l	84	0	< 0.004	< 0.01	0
Pesticides MCPP (Mecoprop)	P053	0.1 µg/l	81	0	< 0.003	< 0.008	0

**Table SBW 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 Metaldehyde	P226	0.1 µg/l	81	0	< 0.003	0.016	0
Pesticides Metamitron	P194	0.1 µg/l	77	0	< 0.014	< 0.014	0
Pesticides Pendimethalin	P118	0.1 µg/l	94	0	< 0.006	< 0.009	0
Pesticides Pentachlorophenol	P060	0.1 µg/l	84	0	< 0.004	< 0.005	0
Pesticides Picloram (Total)	P122	0.1 µg/l	87	0	< 0.006	< 0.012	0
Pesticides Propamocarb	P238	0.1 µg/l	77	0	< 0.004	< 0.005	0
Pesticides Propyzamide	P071	0.1 µg/l	77	0	< 0.004	< 0.004	0
Pesticides Simazine	P073	0.1 µg/l	77	0	< 0.004	< 0.004	0
Pesticides Tebuconazole	P177	0.1 µg/l	77	0	< 0.006	< 0.025	0
Pesticides Triclopyr	P131	0.1 µg/l	81	0	< 0.006	< 0.009	0
Radon	F031	100 Bq/l	58	0	< 0.5	1.98	0
<b>Totals:</b>			<b>3,926</b>	<b>0</b>			

**Table SBW 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	78	0	19	33
Clostridium Perfringens	C004A	0 number/100 ml	407	1	0	0
Conductivity (Electrical Conductivity)	D001	2500 µS/cm	12	0	525	549
Gross Alpha	F004	0.1 Bq/l	79	5	< 0.02	0.15
Gross Beta	F005	1 Bq/l	79	0	< 0.04	0.249
Sulphate	A007	250 mg SO4/l	78	0	10.3	77.9
Total Indicative Dose (Gross Alpha and Beta)	F007	0.1 mSv/year	10	0	< 0.1	< 0.1
Total Organic Carbon	A017	No abnormal change	78	-n/a	0.44	11.86
Tritium	F006	100 Bq/l	78	0	< 5.6	17.4
<b>Totals:</b>			<b>899</b>	<b>6</b>		

**Table SBW 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	119	0	< 0.1	< 0.2	0
Antimony	B008A	5 µg Sb/l	119	0	< 0.132	0.942	0
Arsenic (Total)	B001A	10 µg As/l	118	0	< 0.2	1.081	0
Benzene (Total)	F002	1 µg/l	119	0	< 0.1	< 0.18	0
Benzo[a]Pyrene (Total)	D007	0.01 µg/l	123	0	< 0.001	< 0.002	0
Boron	D005A	1 mg B/l	10	0	< 0.007	0.0274	0
Bromate	F003	10 µg BrO3/l	119	0	< 0.1	< 2.4	0
Cadmium (Total)	B002	5 µg Cd/l	119	0	< 0.13	< 0.25	0
Chromium (Total)	B004	50 µg Cr/l	118	0	< 0.4	0.89322	0
Copper (Total)	A024A	2 mg Cu/l	119	0	< 0.002	0.2034	0
Cyanide (Total)	B003	50 µg CN/l	10	0	< 1	2.8	0
E coli (faecal coliforms Confirmed)	C002	0 number/100 ml	1,162	0	0	0	0
Enterococci (Confirmed)	C003	0 number/100 ml	119	0	0	0	0
Fluoride (Total)	A027	1.5 mg F/l	10	0	0.072	0.2	0
Lead (10 - will apply 25.12.2013)	B007B	10 µg Pb/l	119	0	< 0.2	3.424	0
Mercury (Total)	B005	1 µg Hg/l	10	0	< 0.03	< 0.03	0
Nickel (Total)	B006A	20 µg Ni/l	119	0	< 1	6.028	0
Nitrate (Total)	A012	50 mg NO3/l	362	0	5.3476	36.7355	0
Nitrite - Consumer's Taps	A013A	0.5 mg NO2/l	363	0	< 0.01	0.22	0
Nitrite/Nitrate formula	A013C	1 mg NO2/l	363	0	0.1064	0.74	0
Pesticides (Total by Calculation)	B010	0.5 µg/l	10	0	0	0.008	0
Pesticides 2 4-D	P020	0.1 µg/l	10	0	< 0.006	< 0.006	0
Pesticides 2 4-DB	P082	0.1 µg/l	9	0	< 0.003	< 0.003	0
Pesticides Atrazine	P004	0.1 µg/l	10	0	< 0.011	< 0.011	0
Pesticides Azoxystrobin	P227	0.1 µg/l	10	0	< 0.006	< 0.006	0
Pesticides Benazolin (Total)	P138	0.1 µg/l	4	0	< 0.004	< 0.004	0
Pesticides Bentazone	P006	0.1 µg/l	4	0	< 0.009	< 0.009	0
Pesticides Boscalid	P231	0.1 µg/l	10	0	< 0.009	< 0.009	0
Pesticides Bromoxynil	P008	0.1 µg/l	10	0	< 0.003	< 0.003	0
Pesticides Carbendazim (Total)	P150	0.1 µg/l	10	0	< 0.005	< 0.005	0
Pesticides Chlorpyrifos (Chlorpyrifos Ethyl)	P017	0.1 µg/l	10	0	< 0.006	< 0.006	0
Pesticides Chlortoluron	P014	0.1 µg/l	10	0	< 0.004	< 0.004	0
Pesticides Clopyralid	P018	0.1 µg/l	9	0	< 0.004	< 0.004	0
Pesticides Cyprodinil	P228	0.1 µg/l	10	0	< 0.004	< 0.004	0
Pesticides Cyromazine	P223	0.1 µg/l	10	0	< 0.012	< 0.012	0
Pesticides Diazinon	P024	0.1 µg/l	10	0	< 0.005	< 0.005	0

Table SBW 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
Pesticides Dicamba	P025	0.1 µg/l	9	0	< 0.004	< 0.004	0
Pesticides Dichlobenil	P098	0.1 µg/l	10	0	< 0.004	< 0.004	0
Pesticides Dichlorprop	P026	0.1 µg/l	9	0	< 0.003	< 0.003	0
Pesticides Dieldrin	P028	0.03 µg/l	10	0	< 0.004	< 0.004	0
Pesticides Diflufenican	P157	0.1 µg/l	10	0	< 0.005	< 0.005	0
Pesticides Diuron	P032	0.1 µg/l	10	0	< 0.007	< 0.007	0
Pesticides Epoxyconazole	P217	0.1 µg/l	10	0	< 0.005	< 0.005	0
Pesticides Fenpropimorph	P037	0.1 µg/l	10	0	< 0.004	< 0.004	0
Pesticides Fluroxypyr	P040	0.1 µg/l	4	0	< 0.005	< 0.005	0
Pesticides Gamma-HCH (Lindane)	P041	0.1 µg/l	10	0	< 0.004	< 0.004	0
Pesticides Ioxynil	P049	0.1 µg/l	4	0	< 0.003	< 0.003	0
Pesticides Isoproturon	P048	0.1 µg/l	10	0	< 0.005	< 0.005	0
Pesticides Linuron	P051	0.1 µg/l	10	0	< 0.009	< 0.009	0
Pesticides MCPA 4-chloro-o-tolyloxyacetic acid	P054	0.1 µg/l	10	0	< 0.006	< 0.006	0
Pesticides MCPB	P055	0.1 µg/l	9	0	< 0.004	< 0.004	0
Pesticides MCPP (Mecoprop)	P053	0.1 µg/l	9	0	< 0.003	< 0.003	0
Pesticides Metaldehyde	P226	0.1 µg/l	10	0	< 0.003	0.008	0
Pesticides Metamitron	P194	0.1 µg/l	10	0	< 0.014	< 0.014	0
Pesticides Pendimethalin	P118	0.1 µg/l	10	0	< 0.006	< 0.007	0
Pesticides Pentachlorophenol	P060	0.1 µg/l	10	0	< 0.004	< 0.004	0
Pesticides Picloram (Total)	P122	0.1 µg/l	10	0	< 0.006	< 0.006	0
Pesticides Propamocarb	P238	0.1 µg/l	10	0	< 0.004	< 0.004	0
Pesticides Propyzamide	P071	0.1 µg/l	10	0	< 0.004	< 0.004	0
Pesticides Simazine	P073	0.1 µg/l	10	0	< 0.004	< 0.004	0
Pesticides Tebuconazole	P177	0.1 µg/l	10	0	< 0.006	< 0.006	0
Pesticides Triclopyr	P131	0.1 µg/l	6	0	< 0.006	< 0.006	0
Polycyclic Aromatic Hydrocarbons (Total by Calculation)	B011F	0.1 µg/l	121	0	0	0.003	0
Selenium (Total)	B009	10 µg Se/l	118	0	< 0.15	1.5	0
Trichloroethene & Tetrachloroethene - Sum Of 2 Substances (Total by Calculation)	D009B	10 µg/l	118	0	0	0	0
Trihalomethanes (Total by Calculation)	D011	100 µg/l	119	0	1.18	29.94	0
<b>Totals:</b>			<b>4,582</b>	<b>0</b>			

**Table SBW 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	363	0	< 7	12.244	0
Colour	A001	20 mg/l Pt/Co scale	427	0	< 0.2	3.488	0
Iron (Total)	A022	200 µg Fe/l	362	0	< 6.5	52.622	0
Manganese (Total)	A023	50 µg Mn/l	363	0	< 1	10.136	0
Odour	A003	0 Dilution number	427	0	0	0	0
Sodium (Total)	A009	200 mg Na/l	119	0	7.34	17	0
Taste (Taste Quant)	A004	0 Dilution number	427	0	0	0	0
Tetrachloromethane (Total)	D008	3 µg/l	119	0	< 0.1	< 0.2	0
Turbidity	A002	4 nephelometric turbidity units	426	0	< 0.1	0.4141	0
<b>Totals:</b>			<b>3,033</b>	<b>0</b>			

**Table SBW 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	426	0	< 0.01	0.2092
Chloride	D002A	250 mg Cl/l	10	0	20	30
Coliform Bacteria (Indicator)	C001A	0 number/100 ml	1,162	0	0	0
Colony Counts After 3 Days At 22°C (Colony Counts)	C007	No abnormal change	1,162	-n/a	0	> 109
Conductivity (Electrical Conductivity)	D001	2500 µS/cm	426	0	376.62	557.46
Gross Alpha	F004	0.1 Bq/l	10	0	0	0.073
Gross Beta	F005	1 Bq/l	10	0	0	0.111
Hydrogen ion (pH) - Indicator (Hydrogen ion) (pH)	A006	6.5 - 9.5 pH Value	427	0	7.4	8.1
Residual Disinfectant - Free	C009	No abnormal change	1,163	-n/a	0	0.32
Residual Disinfectant - Total	C010	No abnormal change	1,163	-n/a	0.03	0.48
<i>Combined Chlorine/Residual Disinfectant Combined*</i>	<i>-(n/a)</i>	<i>-(n/a)</i>	<i>(1,163)</i>	<i>-n/a</i>	<i>0.1</i>	<i>0.444</i>
Sulphate	A007	250 mg SO <sub>4</sub> /l	10	0	11.3	53.1
Total Indicative Dose (Gross Alpha and Beta)	F007	0.1 mSv/year	10	0	< 0.1	< 0.1
Total Organic Carbon	A017	No abnormal change	10	-n/a	1.12	7.89
Tritium	F006	100 Bq/l	10	0	0	< 5.6
<b>Totals:</b>			<b>5,999</b>	<b>0</b>		

\*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'.