

Data summary tables for Bournemouth Water (SBW)

These tables contain a summary of results of monitoring undertaken by the water company in 2016 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 2016*.

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.

Published 13 July 2017
Drinking Water Inspectorate
Area 7e
9 Millbank
c/o Nobel House
17 Smith Square
London
SW1P 3JR

Enquiries: 0300 068 6400

Site Summary Data for Bournemouth Water Ltd

Report Date Range: For the whole year 2016

Table SBW 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 (Works)	A013B	0.1 mg NO ₂ /l	1,276	0	< 0.006	0.015	0
Totals:			1,276	0			

Table SBW 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
Coliform Bacteria	C001	0 number/100 ml	1,825	0	0	0	0
E coli	C002	0 number/100 ml	1,825	0	0	0	0
Totals:			3,650	0			

Table SBW 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 (Indicator)	C007	No abnormal change	1,825	-n/a	0	6
Colony Counts After 48 Hours At 37°C (Indicator)	C013	No abnormal change	1,825	-n/a	0	8
Residual Disinfectant - Free	C009	No abnormal change	1,825	-n/a	0.02	0.47
Residual Disinfectant - Total	C010	No abnormal change	1,825	-n/a	0.27	0.61
Combined Chlorine/Residual Disinfectant Combined*	-(n/a)	-(n/a)	(1,825)	-n/a	0.02	0.55
Turbidity (Indicator)	A002A	1 nephelometric turbidity units	1,825	0	< 0.1	0.27
Totals:			9,125	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 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
Coliform Bacteria	C001	0 number/100 ml	1,010	0	0	0	0
E coli	C002	0 number/100 ml	1,010	0	0	0	0
Totals:			2,020	0			

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 22°C (Indicator)	C007	No abnormal change	1,009	-n/a	0	146
Colony Counts After 48 Hours At 37°C (Indicator)	C013	No abnormal change	1,009	-n/a	0	31
Residual Disinfectant - Free	C009	No abnormal change	1,008	-n/a	0.01	0.34
Residual Disinfectant - Total	C010	No abnormal change	1,008	-n/a	0.0409	0.48
Combined Chlorine/Residual Disinfectant Combined*	-(n/a)	-(n/a)	(1,008)	-n/a	0.001	0.429
Totals:			4,034	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 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)
Clostridium Perfringens (Indicator)	C004A	0 number/100 ml	423	1	0	0
Totals:			423	1		

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	F001	3 µg/l	108	0	< 0.03	< 0.2	0
Antimony	B008A	5 µg Sb/l	109	0	< 0.05	1.09	0
Arsenic	B001A	10 µg As/l	109	0	< 0.2	1.1	0
Benzene	F002	1 µg/l	108	0	< 0.01	< 0.1	0
Benzo (a) Pyrene	D007	0.01 µg/l	113	0	< 0.001	< 0.002	0
Boron	D005A	1 mg B/l	108	0	< 0.007	< 0.05	0
Bromate	F003	10 µg BrO3/l	108	0	< 0.4	< 5.949	0
Cadmium	B002	5 µg Cd/l	108	0	< 0.06	< 0.4411	0
Chromium	B004	50 µg Cr/l	108	0	< 0.3	< 0.5	0
Copper	A024A	2 mg Cu/l	108	0	< 0.004	0.139943	0
Cyanide	B003	50 µg CN/l	106	0	< 1	10.075	0
E coli	C002	0 number/100 ml	1,142	0	0	0	0
Enterococci	C003	0 number/100 ml	108	0	0	0	0
Fluoride	A027	1.5 mg F/l	108	0	0.01578	0.25191	0
Lead (>10 µg/l)	B007B	10 µg Pb/l	108	0	< 0.2	2.401	0
Mercury	B005	1 µg Hg/l	108	0	< 0.02	0.05793	0
Nickel	B006A	20 µg Ni/l	108	0	< 0.3	3.9244	0
Nitrate	A012	50 mg NO3/l	388	0	4.2436	37.333	0
Nitrate/Nitrite Formula	A013C	1 mg NO2/l	388	0	0.09	0.73354	0
Nitrite (Consumers tap)	A013A	0.5 mg NO2/l	388	0	< 0.006	0.23866	0
Pesticides - Total Substances	B010	0.5 µg/l	125	0	0	0.02174	0
Pesticides 2,4,5-T	P076	0.1 µg/l	69	0	< 0.005	< 0.005	0
Pesticides 2,4,-Db	P082	0.1 µg/l	117	0	< 0.003	< 0.005	0
Pesticides 2,4-D	P020	0.1 µg/l	122	0	< 0.005	< 0.006	0
Pesticides Aldrin	P002	0.03 µg/l	67	0	< 0.007	0.009	0
Pesticides Atrazine	P004	0.1 µg/l	108	0	< 0.005	< 0.011	0
Pesticides Azoxystrobin	P227	0.1 µg/l	108	0	< 0.005	< 0.006	0
Pesticides Benazolin	P138	0.1 µg/l	117	0	< 0.004	< 0.005	0
Pesticides Bentazone	P006	0.1 µg/l	116	0	< 0.005	< 0.009	0
Pesticides Boscalid	P231	0.1 µg/l	108	0	< 0.005	< 0.009	0
Pesticides Bromoxynil	P008	0.1 µg/l	122	0	< 0.003	< 0.005	0
Pesticides Carbendazim	P150	0.1 µg/l	108	0	< 0.005	< 0.005	0
Pesticides Carbetamide	P010	0.1 µg/l	69	0	< 0.005	< 0.005	0
Pesticides Chlorothalonil	P015	0.1 µg/l	105	0	< 0.005	< 0.01094	0
Pesticides Chlorpyrifos	P017	0.1 µg/l	109	0	< 0.006	< 0.0129	0
Pesticides Chlortoluron	P014	0.1 µg/l	108	0	< 0.004	< 0.005	0
Pesticides Clopyralid	P018	0.1 µg/l	116	0	< 0.004	< 0.02381	0
Pesticides Cyproconazole	P207	0.1 µg/l	69	0	< 0.005	< 0.005	0
Pesticides Cyprodinil	P228	0.1 µg/l	108	0	< 0.004	< 0.00891	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 zones failing standard
Pesticides Cyromazine	P223	0.1 µg/l	39	0	< 0.012	< 0.012	0
Pesticides Diazinon	P024	0.1 µg/l	109	0	< 0.005	< 0.0109	0
Pesticides Dicamba	P025	0.1 µg/l	122	0	< 0.004	< 0.01	0
Pesticides Dichlobenil	P098	0.1 µg/l	109	0	< 0.004	< 0.006	0
Pesticides Dichlorprop	P026	0.1 µg/l	119	0	< 0.003	< 0.005	0
Pesticides Dieldrin	P028	0.03 µg/l	109	0	< 0.004	< 0.0069	0
Pesticides Diflufenican	P157	0.1 µg/l	109	0	< 0.005	< 0.0109	0
Pesticides Diuron	P032	0.1 µg/l	108	0	< 0.005	< 0.007	0
Pesticides Epoxyconazole	P217	0.1 µg/l	109	0	< 0.005	< 0.01	0
Pesticides Fenpropimorph	P037	0.1 µg/l	114	0	< 0.004	< 0.00885	0
Pesticides Fluroxypyr	P040	0.1 µg/l	114	0	< 0.005	< 0.005	0
Pesticides Flusilazole	P159	0.1 µg/l	69	0	< 0.005	< 0.005	0
Pesticides Flutriafol	P039	0.1 µg/l	69	0	< 0.005	< 0.005	0
Pesticides Gamma-HCH (Lindane)	P041	0.1 µg/l	109	0	< 0.004	< 0.006	0
Pesticides Heptachlor	P043	0.03 µg/l	68	0	< 0.007	< 0.007	0
Pesticides Heptachlor epoxide	P044	0.03 µg/l	69	0	< 0.012	< 0.012	0
Pesticides Ioxynil	P049	0.1 µg/l	117	0	< 0.003	< 0.006	0
Pesticides Isoproturon	P048	0.1 µg/l	108	0	< 0.005	< 0.005	0
Pesticides Linuron	P051	0.1 µg/l	108	0	< 0.005	< 0.009	0
Pesticides MCPA	P054	0.1 µg/l	122	0	< 0.005	< 0.006	0
Pesticides MCPB	P055	0.1 µg/l	117	0	< 0.004	< 0.005	0
Pesticides MCPP(Mecoprop)	P053	0.1 µg/l	122	0	< 0.003	< 0.005	0
Pesticides Metaldehyde	P226	0.1 µg/l	107	0	0.00024	0.01984	0
Pesticides Metamitron	P194	0.1 µg/l	39	0	< 0.014	< 0.014	0
Pesticides Metazachlor	P203	0.1 µg/l	69	0	< 0.005	< 0.005	0
Pesticides Oxadixyl	P154	0.1 µg/l	69	0	< 0.005	< 0.005	0
Pesticides Pendimethalin	P118	0.1 µg/l	106	0	< 0.005	< 0.006	0
Pesticides Pentachlorophenol	P060	0.1 µg/l	117	0	< 0.004	< 0.009	0
Pesticides Picloram	P122	0.1 µg/l	114	0	< 0.005	< 0.02865	0
Pesticides Prometryn	P070	0.1 µg/l	69	0	< 0.005	< 0.005	0
Pesticides Propamocarb	P238	0.1 µg/l	39	0	< 0.004	< 0.004	0
Pesticides Propazine	P066	0.1 µg/l	69	0	< 0.005	< 0.005	0
Pesticides Propyzamide	P071	0.1 µg/l	108	0	< 0.004	< 0.008	0
Pesticides Quinmerac	P244	0.1 µg/l	69	0	< 0.005	< 0.005	0
Pesticides Simazine	P073	0.1 µg/l	108	0	< 0.004	< 0.005	0
Pesticides Tebuconazole	P177	0.1 µg/l	108	0	< 0.005	< 0.02346	0
Pesticides Tecnazene	P130	0.1 µg/l	69	0	< 0.006	< 0.006	0
Pesticides Terbutryn	P077	0.1 µg/l	69	0	< 0.005	< 0.005	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 zones failing standard
Pesticides Tri-allate	P079	0.1 µg/l	69	0	< 0.007	< 0.007	0
Pesticides Trichlopyr	P131	0.1 µg/l	112	0	< 0.005	< 0.007	0
Pesticides Trietazine	P132	0.1 µg/l	69	0	< 0.005	< 0.005	0
Pesticides Trifluralin	P081	0.1 µg/l	69	0	< 0.006	< 0.006	0
Polycyclic aromatic hydrocarbons	B011F	0.1 µg/l	106	0	0	0.004	0
Selenium	B009	10 µg Se/l	109	0	< 0.15	1.8771	0
Tetrachloroethene/Trichloroethene - sum of two substances	D009B	10 µg/l	108	0	0	0.0591	0
Total Trihalomethanes	D011	100 µg/l	108	0	6.618	46.768	0
Totals:			10,328	0			

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	A021	200 µg Al/l	341	0	< 4.4	13.788	0
Colour	A001	20 mg/l Pt/Co scale	415	0	0.4	4.42	0
Iron	A022	200 µg Fe/l	341	0	< 3	91.992	0
Manganese	A023	50 µg Mn/l	341	0	< 0.9	8.2674	0
Organoleptic Odour	A003	0 Dilution number	416	1	0	0	1
Organoleptic Taste	A004	0 Dilution number	415	1	0	0	1
Sodium	A009	200 mg Na/l	108	0	2.523	155.106	0
Tetrachloromethane	D008	3 µg/l	108	0	< 0.04	< 0.2	0
Turbidity	A002	4 nephelometric turbidity units	415	0	< 0.1	0.3836	0
Totals:			2,900	2			

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 (Indicator)	A014	0.5 mg NH ₄ /l	415	0	< 0.01	0.13
Chloride (Indicator)	D002A	250 mg Cl/l	108	0	18.2918	31.82
Clostridium Perfringens (Indicator)	C004A	0 number/100 ml	271	0	0	0
Coliform Bacteria (Indicator)	C001A	0 number/100 ml	1,142	1	0	0
Colony Counts After 3 Days At 22°C (Indicator)	C007	No abnormal change	476	-n/a	0	47
Colony Counts After 48 Hours At 37°C (Indicator)	C013	No abnormal change	476	-n/a	0	25
Conductivity (Indicator)	D001	2500 µS/cm	415	0	348.16	559.84
Gross Alpha Activity	F004	0.1 Bq/l	108	3	0.014	0.1302
Gross Beta Activity	F005	1 Bq/l	108	0	0.01772	< 0.56392
Hydrogen ion (pH)	A006	6.5 - 9.5 pH Value	415	0	7.216	8.2
Residual Disinfectant - Free	C009	No abnormal change	1,141	-n/a	0.02	0.3058
Residual Disinfectant - Total	C010	No abnormal change	1,141	-n/a	< 0.05	0.49
Combined Chlorine/Residual Disinfectant Combined*	-(n/a)	-(n/a)	(1,141)	-n/a	0	0.43
Sulphate (Indicator)	A007	250 mg SO ₄ /l	98	0	9.9	70.8
Total Indicative Dose (Gross Alpha and Beta)	F007	0.1 mSv/year	37	0	< 0.1	< 0.1
Total organic carbon (indicator)	A017	No abnormal change	108	-n/a	< 0.2451	280.536
Tritium (Indicator)	F006	100 Bq/l	108	0	< 5	< 10
Totals:			6,567	4		

*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'.