

Data Summary Tables for Bournemouth Water (BWH)

These tables contain a summary of results of monitoring undertaken by the water company in 2006 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 2006'.

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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Data Summary 2006 for BOURNEMOUTH & WEST HAMPSHIRE WATER PLC

Table BWH 1: Quality of water leaving treatment works - European Standards

Parameter	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	A013B	0.1 mg NO ₂ /l	902	1	<0.01	<0.01	1
TOTAL	-	-	902	1	-	-	-

Table BWH 2: Quality of water leaving treatment works - National Standards

Parameter	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	1395	0	0	0	0
Cryptosporidium	C111	ooocysts >1 in10 litres	1460	0	<0.01	0.09	0
<i>E. coli</i>	C002	0 number/100 ml	1395	0	0	0	0
TOTAL	-	-	4250	0	-	-	-

Table BWH 3: Quality of water leaving treatment works - Additional Monitoring Requirements

Indicator Parameter	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	C007	No abnormal change	1395	n/a	0	45
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	1395	n/a	0	>44
Residual Disinfectant - Free	C009	No abnormal change	1395	n/a	0.01	0.48
Residual Disinfectant - Total	C010	No abnormal change	1395	n/a	0.2	0.6
Turbidity	A002A	1 NTU	1395	2	<0.1	0.6
TOTAL	-	-	6975	2	-	-

Table BWH 4: Quality of water leaving service reservoirs - National Standards

Parameter	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	1030	2	0	0	0
<i>E. coli</i>	C002	0 number/100 ml	1030	1	0	0	1
TOTAL	-	-	2060	3	-	-	-

Table BWH 5: Quality of water leaving service reservoirs - Additional Monitoring Requirements

Indicator Parameter	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	C007	No abnormal change	1030	n/a	0	>300
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	1030	n/a	0	>300
Residual Disinfectant - Free	C009	No abnormal change	1030	n/a	0	0.3369
Residual Disinfectant - Total	C010	No abnormal change	1030	n/a	0.0631	0.49
TOTAL	-	-	4120	0	-	-

Table BWH 6: Quality of water at consumer's tap (zones) - European Standards

Parameter	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 with failures
1,2 Dichloroethane	F001	3 µg/l	96	0	<0.2	<0.2	0
Antimony	B008A	5 µg Sb/l	96	0	<0.05	0.3	0
Arsenic	B001A	10 µg As/l	96	0	<0.15	1.1	0
Benzene	F002	1 µg/l	96	0	<0.1	<0.1	0
Benzo (a) Pyrene	D007	0.01 µg/l	95	0	<0.001	<0.001	0
Boron	D005A	1 mg B/l	96	0	<0.01	0.0472	0
Cadmium	B002	5 µg Cd/l	96	0	<0.1	<0.4	0
Chromium	B004	50 µg Cr/l	96	0	<0.5	1.14	0
Copper	A024A	2 mg Cu/l	96	0	<0.0025	0.418	0
Cyanide	B003	50 µg CN/l	96	0	<1.6	3.7	0
<i>E. coli</i>	C002	0 number/100 ml	1120	1	0	0	1
Enterococci	C003	0 number/100 ml	96	0	0	0	0
Fluoride	A027	1.5 mg F/l	96	0	0.057	0.305	0
Lead	B007A	25 µg Pb/l	96	0	<0.2	12	0
Mercury	B005	1 µg Hg/l	96	0	<0.02	0.097	0
Nickel	B006A	20 µg Ni/l	96	0	<1.5	9	0
Nitrate	A012	50 mg NO ₃ /l	369	0	4.142	36.618	0
Nitrite	A013A	0.5 mg NO ₂ /l	369	0	<0.01	0.356	0
Nitrate/Nitrite Formula	A013C	1 mg NO ₂ /l	368	0	0.1269	0.73	0
Polycyclic aromatic hydrocarbons (PAHs)	B011F	0.1 µg/l	95	0	0	0.007	0
Selenium	B009	10 µg Se/l	96	0	<0.4	1.5	0
Tetrachloroethene/Trichloroethene	D009B	10 µg/l	96	0	0	0	0
Trihalomethanes (THMs)	D011	100 µg/l	96	0	1.5	65.4	0
Pesticides (2,4,-Db)	P082	µg/l	93	0	<0.003	<0.003	0
Pesticides (2,4-D)	P020	µg/l	93	0	<0.004	<0.004	0
Pesticides (Atrazine)	P004	µg/l	96	0	<0.004	<0.004	0
Pesticides (Azoxystrobin)	P227	µg/l	96	0	<0.004	<0.004	0
Pesticides (Benazolin)	P138	µg/l	93	0	<0.004	<0.004	0
Pesticides (Bentazone)	P006	µg/l	93	0	<0.003	<0.003	0
Pesticides (Bromoxynil)	P008	µg/l	93	0	<0.003	<0.003	0
Pesticides (Carbendazim)	P150	µg/l	96	0	<0.004	<0.004	0
Pesticides (Chlorfenvinphos)	P013	µg/l	96	0	<0.009	<0.011	0
Pesticides (Chlorothalonil)	P015	µg/l	96	0	<0.004	<0.005	0
Pesticides (Chlorpropham)	P016	µg/l	96	0	<0.002	<0.002	0

Pesticides (Chlorpyrifos)	P017	µg/l	96	0	<0.004	<0.005	0
Pesticides (Chlortoluron)	P014	µg/l	96	0	<0.004	<0.004	0
Pesticides (Clopyralid)	P018	µg/l	93	0	<0.006	<0.006	0
Pesticides (Cypermethrin)	P094	µg/l	96	0	<0.014	<0.014	0
Pesticides (Cyprodinil)	P228	µg/l	96	0	<0.003	<0.004	0
Pesticides (Diazinon)	P024	µg/l	96	0	<0.004	<0.005	0
Pesticides (Dicamba)	P025	µg/l	93	0	<0.002	<0.002	0
Pesticides (Dichlobenil)	P098	µg/l	96	0	<0.002	<0.003	0
Pesticides (Dichlorprop)	P026	µg/l	93	0	<0.004	<0.004	0
Pesticides (Dieldrin)	P028	µg/l	96	0	<0.007	<0.009	0
Pesticides (Diflufenican)	P157	µg/l	96	0	<0.003	<0.004	0
Pesticides (Diuron)	P032	µg/l	96	0	<0.004	<0.004	0
Pesticides (Epoxyconazole)	P217	µg/l	96	0	<0.009	<0.011	0
Pesticides (Fenpropimorph)	P037	µg/l	96	0	<0.006	<0.008	0
Pesticides (Flusilazole)	P159	µg/l	96	0	<0.009	<0.009	0
Pesticides (Gamma-HCH (Lindane))	P041	µg/l	96	0	<0.004	<0.005	0
Pesticides (Heptachlor)	P043	µg/l	96	0	<0.008	<0.01	0
Pesticides (Heptachlor epoxide)	P044	µg/l	96	0	<0.003	<0.004	0
Pesticides (Ioxynil)	P049	µg/l	93	0	<0.007	<0.007	0
Pesticides (Isoproturon)	P048	µg/l	96	0	<0.004	<0.004	0
Pesticides (Kresoxym-Methyl)	P218	µg/l	96	0	<0.003	<0.004	0
Pesticides (Linuron)	P051	µg/l	96	0	<0.005	<0.005	0
Pesticides (MCPA)	P054	µg/l	93	0	<0.004	<0.004	0
Pesticides (MCPB)	P055	µg/l	93	0	<0.003	<0.003	0
Pesticides (MCPP(Mecoprop))	P053	µg/l	93	0	<0.002	<0.002	0
Pesticides (Pendimethalin)	P118	µg/l	96	0	<0.003	<0.004	0
Pesticides (Pentachlorophenol)	P060	µg/l	93	0	<0.003	<0.003	0
Pesticides (Permethrin)	P119	µg/l	96	0	<0.008	<0.01	0
Pesticides (Picloram)	P122	µg/l	93	0	<0.007	<0.007	0
Pesticides (Propetamphos)	P069	µg/l	96	0	<0.004	<0.005	0
Pesticides (Propyzamide)	P071	µg/l	96	0	<0.003	<0.003	0
Pesticides (Simazine)	P073	µg/l	96	0	<0.004	<0.004	0
Pesticides (Sulcofuron)	P171	µg/l	96	0	<0.014	<0.014	0
Pesticides (Tebuconazole)	P177	µg/l	96	0	<0.005	<0.006	0
Pesticides (Tri-allate)	P079	µg/l	96	0	<0.003	<0.004	0
Pesticides (Trichlopyr)	P131	µg/l	93	0	<0.002	<0.002	0
Pesticides (Trifloxystrobin)	P229	µg/l	96	0	<0.004	<0.004	0
Pesticides (Trifluralin)	P081	µg/l	96	0	<0.005	<0.006	0
Pesticides - Total Substances	B010	0.5 µg/l	98	0	0	0	0
TOTAL	-	-	8805	1	-	-	-

Table BWH 7: Quality of water at consumer's tap (zones) - National Standards

Parameter	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 with failures
Aluminium	A021	200 µg Al/l	351	0	<2	61.116	0
Colour	A001	20 mg/l Pt/Co scale	411	0	0.3	5.4	0
Hydrogen ion (pH)	A006	6.5 -10 pH value	416	0	7.4	8.3	0
Iron	A022	200 µg Fe/l	351	0	<9	44.42	0
Manganese	A023	50 µg Mn/l	351	0	<1.5	5.2084	0
Organoleptic Odour	A003	Dilution no. 3 at 25°C	408	0	0	0	0
Organoleptic Taste	A004	Dilution no. 3 at 25°C	408	0	0	0	0
Sodium	A009	200 mg Na/l	96	0	7	110	0
Tetrachloromethane	D008	3 µg/l	96	0	<0.1	<0.1	0
Turbidity	A002	4 NTUs	411	0	<0.1	0.5	0
TOTAL	-	-	3299	0	-	-	-

Table BWH 8: Quality of water at consumer's tap (zones) - Additional Monitoring Requirements

Indicator Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests Exceeding Specification	1 percentile (representing a minimum)	99 percentile (representing a maximum)
Ammonium	A014	0.5 mg NH ₄ /l	410	0	<0.01	0.22
Chloride	D002A	250 mg Cl/l	96	0	17	33
<i>Clostridium perfringens</i>	C004A	0 number/100 ml	345	0	0	0
Coliform Bacteria	C001A	0 number/100 ml	1120	3	0	0
Colony Counts After 3 Days At 22°C	C007	No abnormal change	413	n/a	0	84
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	413	n/a	0	48
Conductivity	D001	2500 µS/cm	411	0	393.12	556.28
Hydrogen ion (pH)	A006A	9.5 pH Value	416	0	7.4	8.3
Radioactivity - Gross Alpha	F004	0.1 Bq/l	96	0	<0.02	0.069
Radioactivity - Gross Beta	F005	1 Bq/l	96	0	<0.06	0.211
Radioactivity - Total Indicative Dose	F007	0.1 mSv/year	96	0	<0.1	<0.1
Radioactivity - Tritium	F006	100 Bq/l	96	0	<10	<10
Residual Disinfectant - Free	C009	No abnormal change	1120	n/a	0.01	0.31

Residual Disinfectant - Total	C010	No abnormal change	1120	n/a	0.08	0.5079
Sulphate	A007	250 mg SO ₄ /l	96	0	4.3	65.8
Total Organic Carbon (TOC)	A017	No abnormal change	96	n/a	0.5	30.1
TOTAL	-	-	6440	3	-	-