

Data Summary Tables for Bournemouth and West Hampshire Water (BWH)

These tables represent a summary of test results from water samples taken by the water company in 2005 and submitted to the Drinking Water Inspectorate.

These tables are published annually by the Inspectorate as part of the Chief Inspector's Report. They are available on the Inspectorate's website at www.dwi.gov.uk

Notes relating to the interpretation of the tables : -

Columns on the following tables that are headed "Maximum" and "Minimum" contain figures for the 1 percentile and 99 percentile sample results 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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Table BWH 1: Quality of water leaving service treatment works - European Standards

Number of treatment works = 5

Parameter	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of works with failures
Nitrite	0.1 mg NO ₂ /l	90	0	<0.01	<0.013	0
TOTAL	-	90	0	-	-	-

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

Parameter	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of works with failures
Coliform Bacteria	0 number/100 ml	1355	1	0	0	1
Cryptosporidium	Oocyst concentration / 10 l	1450	0	<0.01	<0.01	0
<i>E. coli</i>	0 number/100 ml	1355	1	0	0	1
TOTAL	-	4160	2	-	-	-

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

Indicator Parameter	Prescribed Concentration or Value	Total number of tests	Tests Exceeding Specification	Minimum	Maximum
Colony Counts After 3 Days At 22°C	No abnormal change	1354	0	0	>35
Colony Counts After 48 Hours At 37°C	No abnormal change	1354	0	0	66
Residual Disinfectant - Free	No abnormal change	1351	0	0.09	0.48
Residual Disinfectant - Total	No abnormal change	1348	0	0.22	0.525
Turbidity	1 NTU	1354	5	0.08	0.7
TOTAL	-	6761	5	-	-

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

Number of service reservoirs = 20

Parameter	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of reservoirs failing standard
Coliform Bacteria	0 number/100 ml	1036	1	0	0	0
<i>E. coli</i>	0 number/100 ml	1036	0	0	0	0
TOTAL	-	2072	1	-	-	-

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

Indicator Parameter	Prescribed Concentration or Value	Total number of tests	Minimum	Maximum
Colony Counts After 3 Days At 22°C	No abnormal change	1035	0	>300
Colony Counts After 48 Hours At 37°C	No abnormal change	1035	0	>300
Residual Disinfectant - Free	No abnormal change	1036	0.02	0.33
Residual Disinfectant - Total	No abnormal change	1036	0.06	0.4163
TOTAL	-	4142	-	-

Table BWH 6: Quality of water leaving bulk supply points - European Standards

Number of supply points = 5

Parameter	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	Failures by supply point
Bromate	10 µg BrO ₃ /l	44	0	<1	7.1	0
TOTAL	-	44	0	-	-	-

Table BWH 7: Quality of water leaving bulk supply points - Additional Monitoring Requirements

Indicator Parameter	Prescribed Concentration or Value	Total number of tests	Tests Exceeding Specification	Minimum	Maximum
<i>Clostridium perfringens</i>	0 number/100 ml	372	0	0	0
TOTAL	-	372	0	-	-

Table BWH 8: Quality of water at consumer's tap (zones) - European Standards

Number of zones = 10

Parameter	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of zones with failures
1,2 Dichloroethane	3 µg/l	82	0	<0.1	<0.2	0
Antimony	5 µg Sb/l	83	0	<0.2	<0.4	0
Arsenic	10 µg As/l	83	0	<0.09	3.1	0
Benzene	1 µg/l	82	0	<0.06	<0.1	0
Benzo (a) Pyrene	0.01 µg/l	83	2	<0.001	0.0382	2
Boron	1 mg B/l	83	0	<0.01	0.102	0
Cadmium	5 µg Cd/l	83	0	<0.1	0.531	0
Chromium	50 µg Cr/l	83	0	<0.5	2.2	0
Copper	2 mg Cu/l	83	0	<0.003	0.137	0
Cyanide	50 µg CN/l	83	0	<1.5	<5	0
<i>E. coli</i>	0 number/100 ml	1073	0	0	0	0
Enterococci	0 number/100 ml	83	0	0	0	0
Fluoride	1.5 mg F/l	83	0	0.011	0.273	0
Lead	25 µg Pb/l	83	0	<0.2	6	0
Mercury	1 µg Hg/l	83	0	<0.002	<0.04	0
Nickel	20 µg Ni/l	83	0	<2	3	0
Nitrate	50 mg NO ₃ /l	84	0	16.25	37.345	0
Nitrite	0.5 mg NO ₂ /l	84	0	<0.01	0.04	0
Nitrate/Nitrite Formula	≤ 1	84	0	0.33	0.747	0
Polycyclic aromatic hydrocarbons (PAHs)	0.1 µg/l	83	1	0	0.11	1
Selenium	10 µg Se/l	83	0	<0.25	2	0
Tetrachloroethene/Trichloroethene	10 µg/l	83	0	0	<0.5	0
Trihalomethanes (THMs)	100 µg/l	83	0	1.8	59.3	0
Pesticides (2,3,6-Tba)	0.1 µg/l	46	0	<0.01	<0.01	0
Pesticides (2,4,5-T)	0.1 µg/l	46	0	<0.01	<0.01	0
Pesticides (2,4,-Db)	0.1 µg/l	83	0	<0.003	<0.01	0
Pesticides (2,4-D)	0.1 µg/l	83	0	<0.004	<0.01	0
Pesticides (Atrazine)	0.1 µg/l	84	0	0	0.022	0
Pesticides (Azoxystrobin)	0.1 µg/l	37	0	<0.004	<0.004	0
Pesticides (Benazolin)	0.1 µg/l	83	0	<0.004	<0.01	0
Pesticides (Bentazone)	0.1 µg/l	83	0	<0.003	<0.01	0
Pesticides (Bromacil)	0.1 µg/l	46	0	<0.01	0.018	0
Pesticides (Bromoxynil)	0.1 µg/l	83	0	<0.003	<0.01	0
Pesticides (Carbendazim)	0.1 µg/l	37	0	<0.004	<0.004	0
Pesticides (Carbetamide)	0.1 µg/l	46	0	<0.01	<0.01	0

Pesticides (Chlorfenvinphos)	0.1 µg/l	37	0	<0.009	<0.009	0
Pesticides (Chlorothalonil)	0.1 µg/l	37	0	<0.004	<0.004	0
Pesticides (Chlorpropham)	0.1 µg/l	83	0	<0.002	0.079	0
Pesticides (Chlorpyrifos)	0.1 µg/l	37	0	<0.004	<0.004	0
Pesticides (Chlorthal)	0.1 µg/l	46	0	<0.01	0.044	0
Pesticides (Chlortoluron)	0.1 µg/l	83	0	<0.004	0.0126	0
Pesticides (Clopyralid)	0.1 µg/l	83	0	<0.006	<0.02	0
Pesticides (Cyanazine)	0.1 µg/l	46	0	<0.01	0.025	0
Pesticides (Cypermethrin)	0.1 µg/l	37	0	<0.014	<0.014	0
Pesticides (Cyproconazole)	0.1 µg/l	47	0	0	<0.01	0
Pesticides (Cyprodinil)	0.1 µg/l	37	0	<0.003	<0.003	0
Pesticides (Desmetryn)	0.1 µg/l	47	0	0	0.01	0
Pesticides (Diazinon)	0.1 µg/l	37	0	<0.004	<0.004	0
Pesticides (Dicamba)	0.1 µg/l	83	0	<0.002	<0.01	0
Pesticides (Dichlobenil)	0.1 µg/l	37	0	<0.002	<0.002	0
Pesticides (Dichlorprop)	0.1 µg/l	83	0	<0.004	<0.01	0
Pesticides (Dieldrin)	0.03 µg/l	37	0	<0.007	<0.007	0
Pesticides (Diflufenican)	0.1 µg/l	37	0	<0.003	<0.003	0
Pesticides (Diuron)	0.1 µg/l	83	0	<0.004	0.029	0
Pesticides (Epoxyconazole)	0.1 µg/l	37	0	<0.009	<0.009	0
Pesticides (Fenoprop)	0.1 µg/l	46	0	<0.01	<0.01	0
Pesticides (Fenpropimorph)	0.1 µg/l	37	0	<0.006	<0.006	0
Pesticides (Flusilazole)	0.1 µg/l	84	0	0	0.012	0
Pesticides (Flutriafol)	0.1 µg/l	47	0	0	0.011	0
Pesticides (Gamma-HCH (Lindane))	0.1 µg/l	37	0	<0.004	<0.004	0
Pesticides (Glyphosate)	0.1 µg/l	50	0	0	<0.1	0
Pesticides (Heptachlor)	0.03 µg/l	37	0	<0.008	<0.008	0
Pesticides (Heptachlor epoxide)	0.03 µg/l	37	0	<0.003	<0.003	0
Pesticides (Ioxynil)	0.1 µg/l	83	0	<0.007	<0.01	0
Pesticides (Isoproturon)	0.1 µg/l	83	0	<0.004	<0.01	0
Pesticides (Kresoxym-Methyl)	0.1 µg/l	37	0	<0.003	<0.003	0
Pesticides (Linuron)	0.1 µg/l	83	0	<0.005	0.042	0
Pesticides (MCPA)	0.1 µg/l	83	0	<0.004	<0.01	0
Pesticides (MCPB)	0.1 µg/l	83	0	<0.003	<0.01	0
Pesticides (MCPP(Mecoprop))	0.1 µg/l	83	0	<0.002	<0.01	0
Pesticides (Methabenzthiazuron)	0.1 µg/l	46	0	<0.01	<0.01	0
Pesticides (Metoxuron)	0.1 µg/l	46	0	<0.01	<0.01	0
Pesticides (Monolinuron)	0.1 µg/l	46	0	<0.01	<0.01	0
Pesticides (Pendimethalin)	0.1 µg/l	37	0	<0.003	<0.003	0
Pesticides (Pentachlorophenol)	0.1 µg/l	83	0	<0.003	<0.015	0
Pesticides (Permethrin)	0.1 µg/l	37	0	<0.008	<0.008	0

Pesticides (Picloram)	0.1 µg/l	37	0	<0.007	<0.007	0
Pesticides (Pirimicarb)	0.1 µg/l	46	0	<0.01	<0.01	0
Pesticides (Prometryn)	0.1 µg/l	48	0	0	0.023	0
Pesticides (Propazine)	0.1 µg/l	48	0	0	0.014	0
Pesticides (Propetamphos)	0.1 µg/l	37	0	<0.004	<0.004	0
Pesticides (Propiconazole)	0.1 µg/l	47	0	0	<0.01	0
Pesticides (Propyzamide)	0.1 µg/l	37	0	<0.003	<0.003	0
Pesticides (Simazine)	0.1 µg/l	85	0	0	0.018	0
Pesticides (Sulcofuron)	0.1 µg/l	37	0	<0.014	<0.014	0
Pesticides (Tebuconazole)	0.1 µg/l	84	0	0	<0.01	0
Pesticides (Terbutylazine)	0.1 µg/l	47	0	0	0.016	0
Pesticides (Terbutryn)	0.1 µg/l	48	0	0	<0.01	0
Pesticides (Triadimefon)	0.1 µg/l	47	0	0	0.013	0
Pesticides (Tri-allate)	0.1 µg/l	37	0	<0.003	<0.003	0
Pesticides (Trichlopyr)	0.1 µg/l	83	0	<0.002	<0.01	0
Pesticides (Trietazine)	0.1 µg/l	48	0	0	<0.01	0
Pesticides (Trifloxystrobin)	0.1 µg/l	37	0	<0.004	<0.004	0
Pesticides (Trifluralin)	0.1 µg/l	37	0	<0.005	<0.005	0
Pesticides - Total Substances	0.5 µg/l	84	0	0	0.105	0
TOTAL	-	6890	3	-	-	-

Table BWH 9: Quality of water at consumer's tap (zones) - National Standards

Parameter	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of zones with failures
Aluminium	200 µg Al/l	341	0	<3	51.566	0
Colour	20 mg/l Pt/Co scale	399	0	<0.2	3.46	0
Hydrogen ion (pH)	6.5 - 10 pH value	399	0	7.35	8.26	1
Iron	200 µg Fe/l	341	3	<10	261.34	2
Manganese	50 µg Mn/l	341	1	<1	9.58	1
Organoleptic Odour	Dilution No. 3 at 25°C	401	0	0	1	0
Organoleptic Taste	Dilution No. 3 at 25°C	400	0	0	1	0
Sodium	200 mg Na/l	83	0	7.4	33.6	0
Tetrachloromethane	3 µg/l	83	0	0	0.137	0
Turbidity	4 NTU	399	0	0.08	0.61	0
TOTAL	-	3187	4	-	-	-

Table BWH 10: Quality of water at consumer's tap (zones) - Additional Monitoring Requirements

Indicator Parameter	Prescribed Concentration or Value	Total number of tests	Tests Exceeding Specification	Minimum	Maximum
Ammonium	0.5 mg NH ₄ /l	399	0	<0.01	0.05
Chloride	250 mg Cl/l	83	0	18.9	35
<i>Clostridium perfringens</i>	0 number/100 ml	343	0	0	0
Coliform Bacteria	0 number/100 ml	1073	1	0	0
Colony Counts After 3 Days At 22°C	No abnormal change	400	0	0	235
Colony Counts After 48 Hours At 37°C	No abnormal change	400	0	0	94
Conductivity	2500 µS/cm	401	0	401.28	554.96
Hydrogen ion (pH)	9.5 pH Value	399	0	7.35	8.26
Radioactivity - Gross Alpha	0.1 Bq/l	83	0	<0.02	0.07
Radioactivity - Gross Beta	1 Bq/l	83	0	<0.03	0.275
Radioactivity - Total Indicative Dose	0.1 mSv/year	80	0	<0.06	0.18
Radioactivity - Tritium	100 Bq/l	83	0	<10	<10
Residual Disinfectant - Free	No abnormal change	1071	0	0.02	0.303
Residual Disinfectant - Total	No abnormal change	1071	0	0.07	0.38
Sulphate	250 mg SO ₄ /l	83	0	10.8	31.1
Total Organic Carbon (TOC)	No abnormal change	83	0	0.5	13
TOTAL	-	6135	1	-	-