

Data summary tables for Albion Water (ALB)

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 Albion Water Ltd

Report Date Range: For the whole year 2017

Table ALB 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	8	0	< 0.07	< 0.1	0
Antimony	B008A	5 µg Sb/l	8	0	< 0.033	0.597	0
Arsenic (Total)	B001A	10 µg As/l	8	0	0.38	2.03	0
Benzene (Total)	F002	1 µg/l	8	0	< 0.02	< 0.07	0
Benzo[a]Pyrene (Total)	D007	0.01 µg/l	8	0	< 0.00022	< 0.00022	0
Boron	D005A	1 mg B/l	8	0	0.0256	0.085	0
Bromate	F003	10 µg BrO3/l	8	0	< 0.1	2.3	0
Cadmium (Total)	B002	5 µg Cd/l	8	0	< 0.006	0.107	0
Chromium (Total)	B004	50 µg Cr/l	8	0	0.24	0.51	0
Copper (Total)	A024A	2 mg Cu/l	8	0	0.0032	0.493	0
Cyanide (Total)	B003	50 µg CN/l	8	0	< 0.7	0.9	0
E coli (faecal coliforms Confirmed)	C002	0 number/100 ml	23	0	0	0	0
Enterococci (Confirmed)	C003	0 number/100 ml	8	0	0	0	0
Fluoride (Total)	A027	1.5 mg F/l	8	0	0.17	0.43	0
Lead (10 - will apply 25.12.2013)	B007B	10 µg Pb/l	8	0	0.04	1.55	0
Mercury (Total)	B005	1 µg Hg/l	8	0	< 0.02	< 0.05	0
Nickel (Total)	B006A	20 µg Ni/l	8	0	0.71	11.5	0
Nitrate (Total)	A012	50 mg NO3/l	8	0	6.03	47.3	0
Nitrite - Consumer's Taps	A013A	0.5 mg NO2/l	8	0	< 0.002	0.077	0
Nitrite/Nitrate formula	A013C	1 mg NO2/l	8	0	< 0.37	0.95	0
Pesticides (Total by Calculation)	B010	0.5 µg/l	8	0	0	0.08	0
Pesticides 2 4-D	P020	0.1 µg/l	8	0	< 0.004	0.007	0
Pesticides 2 4-DB	P082	0.1 µg/l	8	0	< 0.004	< 0.007	0
Pesticides 2,4,5-T	P076	0.1 µg/l	8	0	< 0.003	< 0.009	0
Pesticides Ametryn	P222	0.1 µg/l	4	0	< 0.002	< 0.002	0
Pesticides Asulam	P133	0.1 µg/l	4	0	< 0.003	< 0.004	0
Pesticides Atrazine	P004	0.1 µg/l	8	0	< 0.001	< 0.002	0
Pesticides Bentazone	P006	0.1 µg/l	8	0	< 0.001	< 0.002	0
Pesticides Bromoxynil	P008	0.1 µg/l	4	0	< 0.003	< 0.004	0
Pesticides Carbendazim (Total)	P150	0.1 µg/l	4	0	< 0.001	< 0.001	0
Pesticides Carbetamide	P010	0.1 µg/l	8	0	< 0.002	< 0.002	0
Pesticides Chloridazon	P162	0.1 µg/l	4	0	< 0.002	< 0.003	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 Chlormequat	P163	0.1 µg/l	4	0	< 0.003	< 0.003	0
Pesticides Chlorothalonil	P015	0.1 µg/l	4	0	< 0.001	< 0.002	0
Pesticides Chlortoluron	P014	0.1 µg/l	8	0	< 0.002	< 0.003	0
Pesticides Clopyralid	P018	0.1 µg/l	8	0	< 0.003	0.017	0
Pesticides Dicamba	P025	0.1 µg/l	8	0	< 0.003	< 0.006	0
Pesticides Dichlorprop	P026	0.1 µg/l	8	0	< 0.003	< 0.005	0
Pesticides Diuron	P032	0.1 µg/l	8	0	< 0.002	< 0.003	0
Pesticides Fenoprop	P105	0.1 µg/l	4	0	< 0.003	< 0.006	0
Pesticides Fenpropidin	P168	0.1 µg/l	4	0	< 0.001	< 0.001	0
Pesticides Fenpropimorph	P037	0.1 µg/l	4	0	< 0.001	< 0.001	0
Pesticides Fluroxypyr	P040	0.1 µg/l	8	0	< 0.003	< 0.005	0
Pesticides Glyphosate	P042	0.1 µg/l	4	0	< 0.003	0.005	0
Pesticides Ioxynil	P049	0.1 µg/l	4	0	< 0.003	< 0.003	0
Pesticides Isoproturon	P048	0.1 µg/l	8	0	< 0.002	< 0.002	0
Pesticides Linuron	P051	0.1 µg/l	8	0	< 0.002	< 0.007	0
Pesticides MCPA 4-chloro-o-tolyloxyacetic acid	P054	0.1 µg/l	8	0	< 0.003	< 0.004	0
Pesticides MCPB	P055	0.1 µg/l	8	0	< 0.003	< 0.006	0
Pesticides MCPP (Mecoprop)	P053	0.1 µg/l	8	0	< 0.002	0.003	0
Pesticides Metaldehyde	P226	0.1 µg/l	8	0	< 0.005	0.053	0
Pesticides Metazachlor	P203	0.1 µg/l	4	0	< 0.002	< 0.002	0
Pesticides Monuron	P113	0.1 µg/l	8	0	< 0.002	< 0.002	0
Pesticides Pendimethalin	P118	0.1 µg/l	4	0	< 0.002	< 0.003	0
Pesticides Pentachlorophenol	P060	0.1 µg/l	8	0	< 0.005	< 0.007	0
Pesticides Picloram (Total)	P122	0.1 µg/l	8	0	< 0.004	< 0.006	0
Pesticides Prometryne	P070	0.1 µg/l	4	0	< 0.001	< 0.001	0
Pesticides Propazine	P066	0.1 µg/l	4	0	< 0.001	< 0.001	0
Pesticides Propyzamide	P071	0.1 µg/l	8	0	< 0.002	< 0.005	0
Pesticides Quinmerac	P244	0.1 µg/l	4	0	< 0.002	0.005	0
Pesticides Simazine	P073	0.1 µg/l	4	0	< 0.001	< 0.003	0
Pesticides Terbutryn	P077	0.1 µg/l	8	0	< 0.001	< 0.001	0
Pesticides Triclopyr	P131	0.1 µg/l	8	0	< 0.003	< 0.009	0
Polycyclic Aromatic Hydrocarbons (Total by Calculation)	B011F	0.1 µg/l	8	0	0	0.0006	0
Selenium (Total)	B009	10 µg Se/l	8	0	0.86	2.92	0
Trichloroethene & Tetrachloroethene - Sum Of 2 Substances (Total by Calculation)	D009B	10 µg/l	8	0	0	0	0
Trihalomethanes (Total by Calculation)	D011	100 µg/l	8	0	10.05	22.15	0
Totals:			479	0			

Table ALB 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	8	0	< 0.9	11.2	0
Colour	A001	20 mg/l Pt/Co scale	8	0	< 1	2.4	0
Iron (Total)	A022	200 µg Fe/l	8	0	2.81	23.5	0
Manganese (Total)	A023	50 µg Mn/l	8	0	0.36	< 2.6	0
Odour	A003	0 Dilution number	8	1	0	1	1
Sodium (Total)	A009	200 mg Na/l	8	0	9.05	54.8	0
Taste (Taste Quant)	A004	0 Dilution number	8	0	0	0	0
Tetrachloromethane (Total)	D008	3 µg/l	8	0	< 0.02	< 0.14	0
Turbidity	A002	4 nephelometric turbidity units	8	0	0.09	0.24	0
Totals:			72	1			

Table ALB 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 ₄ /l	8	0	< 0.004	0.196
Chloride	D002A	250 mg Cl/l	8	0	16.9	77.5
Clostridium Perfringens	C004A	0 number/100 ml	8	0	0	0
Coliform Bacteria (Indicator)	C001A	0 number/100 ml	23	0	0	0
Colony Counts After 3 Days At 22°C (Colony Counts)	C007	No abnormal change	8	-n/a	0	897
Colony Counts After 48 Hours At 37°C (Colony Counts)	C013	No abnormal change	8	-n/a	0	637
Conductivity (Electrical Conductivity)	D001	2500 µS/cm	8	0	365	753
Gross Alpha	F004	0.1 Bq/l	4	0	< 0.024	< 0.039
Gross Beta	F005	1 Bq/l	4	0	0.178	0.28
Hydrogen ion (pH) - Indicator (Hydrogen ion) (pH)	A006	6.5 - 9.5 pH Value	8	0	7.36	7.81
Residual Disinfectant - Free	C009	No abnormal change	12	-n/a	0.21	0.56
Residual Disinfectant - Total	C010	No abnormal change	23	-n/a	0.22	0.97
Combined Chlorine/Residual Disinfectant Combined*	-(n/a)	-(n/a)	(12)	-n/a	0.01	0.03
Sulphate	A007	250 mg SO ₄ /l	8	0	35.4	68.4
Total Organic Carbon	A017	No abnormal change	7	-n/a	0.6	3.8
Tritium	F006	100 Bq/l	4	0	< 5	< 5
Totals:			141	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'.