

## Albion Water Ltd



Company performance:		Company Assets:	
Number of Tests Carried out:	605	No. of Treatment Works	0
Mean Zonal Compliance %:	99.72%	No. of Service Reservoirs	0
Consumer contacts per 1000 people supplied	N/A	No. of Water Supply Zones	1
Water quality incidents per 1,000 km mains	N/A	Length of mains pipe (Km)	0
Population served:		Water supplied :	
Population supplied	470	Water Supplied (Ml/day)	0.07
Local Authorities	1	From surface sources (Ml/day)	0.07
Health Authorities (Local Health Boards)	1	From ground sources (Ml/day)	0
		From mixed sources (Ml/day)	0
<b>Area of supply</b>			
Flintshire		% from surface sources	100
		% ground sources	0
		% mixed sources	0

\*For guidance on interpretation of data tables, please refer to 'Drinking Water Quality Results by Company'.

\*\*Figures in the percentile columns are maximum and minimum figures where the number of samples taken is less than 100.

**Table ALB 1: Quality of water at consumer's tap (zones) – European Standards  
Number of Zones = 1 (continued)**

Parameter	Prescribed Concentration or Value	Total number of tests	Tests failed	1%ile	99%ile	No. of zones with failures
1,2 Dichloroethane	3 µg/l	4	0	<0.12	<0.12	0
Antimony	5 µg Sb/l	4	0	<0.24	<0.24	0
Arsenic	10 µg As/l	4	0	<0.5	<0.5	0
Benzene	1 µg/l	4	0	<0.15	<0.15	0
Benzo(a)pyrene	0.01 µg/l	4	0	<0.001	<0.001	0
Boron	1 mg B/l	4	0	<0.01	0.028	0
Bromate	10 µg BrO <sub>3</sub> /l	4	0	<0.8	<0.8	0
Cadmium	5 µg Cd/l	4	0	<0.23	<0.23	0
Chromium	50 µg Cr/l	4	0	<0.34	0.69	0
Copper	2 mg Cu/l	4	0	0.0012	0.03	0
Cyanide	50 µg CN/l	4	0	<0.4	1.1	0
<i>Escherichia coli</i>	0/100 ml	12	0	0	0	0
Enterococci	0/100 ml	4	0	0	0	0
Fluoride	1.5 mg F/l	4	0	<0.04	<0.04	0
Lead	25 µg Pb/l	4	0	<1	1.2	0
Mercury	1 µg Hg/l	4	0	<0.02	<0.02	0
Nickel	20 µg Ni/l	4	0	<1.4	<1.4	0
Nitrate	50 mg NO <sub>3</sub> /l	4	0	2.15	11.2	0
Nitrite	0.5 mg NO <sub>2</sub> /l	4	0	<0.002	0.311	0
Pesticides (2,3,6-Tba)	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides (2,4,-Db)	0.1 µg/l	4	0	<0.003	<0.003	0
Pesticides (2,4,5-T)	0.1 µg/l	4	0	<0.003	<0.003	0
Pesticides (2,4-D)	0.1 µg/l	4	0	<0.003	<0.003	0
Pesticides (Aldrin)	0.03 µg/l	4	0	<0.002	<0.002	0
Pesticides (Alpha-HCH)	0.1 µg/l	4	0	<0.001	<0.001	0
Pesticides (Ametryn)	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides (Atrazine)	0.1 µg/l	4	0	<0.001	<0.001	0

**Table ALB 1: Quality of water at consumer’s tap (zones) – European Standards  
Number of Zones = 1 (continued)**

Parameter	Prescribed Concentration or Value	Total number of tests	Tests failed	1%ile	99%ile	No. of zones with failures
Pesticides (Azinphos methyl)	0.1 µg/l	4	0	<0.006	<0.006	0
Pesticides (Bentazone)	0.1 µg/l	4	0	<0.005	<0.005	0
Pesticides (Beta-HCH)	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides (Bromacil)	0.1 µg/l	4	0	<0.012	<0.012	0
Pesticides (Bromoxynil)	0.1 µg/l	4	0	<0.001	<0.001	0
Pesticides (Carbophenothion)	0.1 µg/l	4	0	<0.007	<0.007	0
Pesticides (Chlordane-Alpha)	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides (Chlorfenvinphos)	0.1 µg/l	4	0	<0.009	<0.009	0
Pesticides (Chlorothalonil)	0.1 µg/l	4	0	<0.001	<0.001	0
Pesticides (Chlortoluron)	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides (Clopyralid)	0.1 µg/l	4	0	<0.005	<0.005	0
Pesticides (Cyfluthrin)	0.1 µg/l	4	0	<0.04	<0.04	0
Pesticides (Cypermethrin)	0.1 µg/l	4	0	<0.04	<0.04	0
Pesticides (Delta-HCH)	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides (Deltamethrin)	0.1 µg/l	4	0	<0.02	<0.02	0
Pesticides (Demeton-S-Methyl)	0.1 µg/l	4	0	<0.008	<0.008	0
Pesticides (Diazinon)	0.1 µg/l	4	0	<0.005	<0.005	0
Pesticides (Dicamba)	0.1 µg/l	4	0	<0.001	<0.001	0
Pesticides (Dichlobenil)	0.1 µg/l	4	0	<0.001	<0.001	0

**Table ALB 1: Quality of water at consumer's tap (zones) – European Standards  
Number of Zones = 1 (continued)**

Parameter	Prescribed Concentration or Value	Total number of tests	Tests failed	1%ile	99%ile	No. of zones with failures
Pesticides (Dichlorprop)	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides (Dichlorvos)	0.1 µg/l	4	0	<0.006	<0.006	0
Pesticides (Dieldrin)	0.03 µg/l	4	0	<0.002	<0.002	0
Pesticides (Diflufenican)	0.1 µg/l	4	0	<0.004	<0.004	0
Pesticides (Dimethoate)	0.1 µg/l	4	0	<0.008	<0.008	0
Pesticides (Diuron)	0.1 µg/l	4	0	<0.003	<0.003	0
Pesticides (Endosulfan A (alpha-Endosulfan))	0.1 µg/l	4	0	<0.001	<0.001	0
Pesticides (Endosulfan B (beta-Endosulfan))	0.1 µg/l	4	0	<0.004	<0.004	0
Pesticides (Endrin)	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides (EPTC)	0.1 µg/l	4	0	<0.001	<0.001	0
Pesticides (Fenitrothion)	0.1 µg/l	4	0	<0.005	<0.005	0
Pesticides (Fenpropimorph)	0.1 µg/l	4	0	<0.006	<0.006	0
Pesticides (Fenvalerate)	0.1 µg/l	4	0	<0.02	<0.02	0
Pesticides (Fluroxypyr)	0.1 µg/l	4	0	<0.003	<0.003	0
Pesticides (Flutriafol)	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides (Gamma-HCH (Lindane))	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides (Heptachlor epoxide)	0.03 µg/l	4	0	<0.002	<0.002	0
Pesticides (Heptachlor)	0.03 µg/l	4	0	<0.002	<0.002	0
Pesticides (Hexachlorobenzene)	0.1 µg/l	4	0	<0.001	<0.001	0

**Table ALB 1: Quality of water at consumer’s tap (zones) – European Standards  
Number of Zones = 1 (continued)**

Parameter	Prescribed Concentration or Value	Total number of tests	Tests failed	1%ile	99%ile	No. of zones with failures
Pesticides (Hexachlorobutadiene)	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides (loxynil)	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides (Isodrin)	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides (Isoproturon)	0.1 µg/l	4	0	<0.004	<0.004	0
Pesticides (Linuron)	0.1 µg/l	4	0	<0.003	<0.003	0
Pesticides (Malathion)	0.1 µg/l	4	0	<0.009	<0.009	0
Pesticides (MCPA)	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides (MCPB)	0.1 µg/l	4	0	<0.006	<0.006	0
Pesticides (MCP (Mecoprop))	0.1 µg/l	4	0	<0.001	<0.001	0
Pesticides (Metazachlor)	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides (Methoxychlor)	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides (Mevinphos)	0.1 µg/l	4	0	<0.007	<0.007	0
Pesticides (op-DDD (TDE))	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides (op-DDE)	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides (op-DDT)	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides (Parathion (Parathion ethyl))	0.1 µg/l	4	0	<0.005	<0.005	0
Pesticides (PCB – Arochlor 1254)	0.1 µg/l	4	0	<0.003	<0.003	0
Pesticides (Pendimethalin)	0.1 µg/l	4	0	<0.003	<0.003	0
Pesticides (Permethrin-cis)	0.1 µg/l	4	0	<0.001	<0.001	0
Pesticides (Permethrin-trans)	0.1 µg/l	4	0	<0.002	<0.002	0

**Table ALB 1: Quality of water at consumer's tap (zones) – European Standards  
Number of Zones = 1 (continued)**

Parameter	Prescribed Concentration or Value	Total number of tests	Tests failed	1%ile	99%ile	No. of zones with failures
Pesticides (Phorate)	0.1 µg/l	4	0	<0.005	<0.005	0
Pesticides (Phosalone)	0.1 µg/l	4	0	<0.008	<0.008	0
Pesticides (Pirimicarb)	0.1 µg/l	4	0	<0.001	<0.001	0
Pesticides (Pirimiphos Ethyl)	0.1 µg/l	4	0	<0.005	<0.005	0
Pesticides (pp-DDD (TDE))	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides (pp-DDE)	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides (pp-DDT)	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides (Prometryn)	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides (Propazine)	0.1 µg/l	4	0	<0.001	<0.001	0
Pesticides (Propetamphos)	0.1 µg/l	4	0	<0.004	<0.004	0
Pesticides (Propiconazole)	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides (Propyzamide)	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides (Simazine)	0.1 µg/l	4	0	<0.001	<0.001	0
Pesticides (Tecnazene)	0.1 µg/l	4	0	<0.001	<0.001	0
Pesticides (Terbutryn)	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides (Tri-allate)	0.1 µg/l	4	0	<0.001	<0.001	0
Pesticides (Triadimefon)	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides (Triazophos)	0.1 µg/l	4	0	<0.008	<0.008	0
Pesticides (Trichlopyr)	0.1 µg/l	4	0	<0.004	<0.004	0
Pesticides (Trichlorobenzene)	0.1 µg/l	4	0	<0.001	<0.001	0

**Table ALB 1: Quality of water at consumer’s tap (zones) – European Standards  
Number of Zones = 1 (continued)**

Parameter	Prescribed Concentration or Value	Total number of tests	Tests failed	1%ile	99%ile	No. of zones with failures
Pesticides (Trietazine)	0.1 µg/l	4	0	<0.001	<0.001	0
Pesticides (Trifluralin)	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides : Total	0.5 µg/l	5	0	0	0	0
Polycyclic Aromatic Hydrocarbons	0.1 µg/l	4	0	0	0	0
Selenium	10 µg Se/l	4	0	<0.44	<0.44	0
Tetra/ Trichloroethene	10 µg/l	4	0	0	<0.28	0
Trihalomethanes: Total	100 µg/l	4	0	0	69.1	0
<b>Total</b>	–	<b>457</b>	<b>0</b>	–	–	–

**Table ALB 2: Quality of water at consumer's tap (zones) – National Standards**

Parameter	Prescribed Concentration or Value	Total number of tests	Tests failed	1%ile	99%ile	No. of zones with failures
Aluminium	200 µg Al/l	4	0	<5	29	0
Colour	20 mg/l Pt/Co scale	4	0	<0.4	6.8	0
Hydrogen ion	6.5–10 pH value	4	0	7.0	7.9	0
Iron	200 µg Fe/l	4	1	<7	269	1
Manganese	50 µg Mn/l	4	0	<1.5	21	0
Odour	3 at 25°C dilution number	4	0	0	1	0
Sodium	200 mg Na/l	4	0	6.6	41	0
Taste	3 at 25°C dilution number	4	0	0	1	0
Tetrachloromethane	3 µg/l	4	0	<0.02	<0.04	0
Turbidity	4 NTU	4	0	<0.05	0.33	0
<b>Total</b>	–	<b>40</b>	<b>1</b>	–	–	–

**Table ALB 3: Quality of water at consumer's tap (zones) – Additional Monitoring Requirements**

Indicator Parameter	Prescribed Concentration or Value	Total number of tests	Tests Exceeding Specification	1%ile	99%ile
Ammonium	0.5 mg NH <sub>4</sub> /l	4	0	<0.02	0.086
Chloride	250 mg Cl/l	4	0	12.6	32.7
<i>Clostridium perfringens</i> (including spores)	0/100 ml	4	0	0	0
Coliform bacteria	0/100 ml	14	0	0	0
Colony counts @ 22° C	Company specification	12	–	0	130
Colony counts @ 37° C	Company specification	12	0	0	105
Conductivity	2500 µS/cm	4	–	108	296
*Gross Alpha	0.1 Bq/l	6	0	–	–
*Gross Beta	1 Bq/l	6	–	–	–
Hydrogen ion	<9.5 pH value	4	–	7.0	7.9
Residual Disinfectant (Free chlorine) mg/l	Company specification	12	–	<0.1	<0.1
Residual Disinfectant (Total chlorine) mg/l	Company specification	12	0	<0.1	0.3
Sulphate	250 mg SO <sub>4</sub> /l	4	–	17.5	69.8
Total Organic Carbon (TOC)	Company specification	4	0	1.64	3.09
Tritium (for radiation)	100 Bq/l	6	–	<2.1	<3.8
<b>Total</b>	–	<b>108</b>	<b>0</b>	–	–

\*Monitored for the calculation of Total Indicative Dose

