

**Albion Eco Ltd**

Report Date Range: For the whole year 2019

**Zone Name : Shotton**  
**Zone Reference : ZC01DC**  
**Population : 180**

Parameter Name	Prescribed Concentration or Value	Total Number of Tests	Tests Failed	1 percentile (representing a minimum)	99 percentile (representing a maximum)
1,2-Dichloroethane (Total)	3 µg/l	4	0	< 0.07	< 0.13
Aluminium (Total)	200 µg Al/l	4	0	< 7.22	9.8
Ammonium (Total)	0.5 mg NH4/l	4	0	< 0.004	< 0.004
Antimony	5 µg Sb/l	4	0	0.1	0.14
Arsenic (Total)	10 µg As/l	4	0	0.14	0.23
Benzene (Total)	1 µg/l	4	0	< 0.02	< 0.03
Benzo[a]Pyrene (Total)	0.01 µg/l	4	0	< 0.00022	0.00048
Boron	1 mg B/l	4	0	< 0.015	0.0199
Bromate	10 µg BrO3/l	4	0	< 0.1	0.3
Cadmium (Total)	5 µg Cd/l	4	0	0.014	0.046
Chloride	250 mg Cl/l	4	0	22.6	34
Chromium (Total)	50 µg Cr/l	4	0	0.22	0.44
(Confirmed)	0 number/100 ml	4	0	0	0
Coliform Bacteria (Indicator)	0 number/100 ml	12	0	0	0
Colony Counts After 3 Days At 22°C (Colony Counts)	No abnormal change	4	-n/a	0	0
Colony Counts After 48 Hours At 37°C (Colony Counts)	No abnormal change	4	-n/a	0	0
Colour	20 mg/l Pt/Co	4	0	< 1	1.4
Conductivity (Electrical Conductivity)	2500 µS/cm at 20°C	4	0	256	354
Copper (Total)	2 mg Cu/l	4	0	0.0028	0.0176
Cyanide (Total)	50 µg CN/l	4	0	< 0.7	< 5.5
E coli (faecal coliforms Confirmed)	0 number/100 ml	12	0	0	0
Enterococci (Confirmed)	0 number/100 ml	4	0	0	0
Fluoride (Total)	1.5 mg F/l	4	0	0.02	0.05
Hydrogen ion (pH) - Indicator (Hydrogen ion) (pH)	6.5 - 9.5 pH Value	4	0	7.16	7.66
Iron (Total)	200 µg Fe/l	4	0	4.06	13.2
Lead (10 - will apply 25.12.2013)	10 µg Pb/l	4	0	0.07	0.3
Manganese (Total)	50 µg Mn/l	4	0	0.22	0.44
Mercury (Total)	1 µg Hg/l	4	0	< 0.03	< 0.03
Nickel (Total)	20 µg Ni/l	4	0	0.57	0.74
Nitrate (Total)	50 mg NO3/l	4	0	5.83	11.1
Nitrite - Consumer's Taps	0.5 mg NO2/l	4	0	< 0.002	< 0.002
Nitrite/Nitrate formula	1 mg/l	4	0	0.12	0.22
Odour	0 Dilution number at 25°C	4	0	0	0
Pesticides (Total by Calculation)	0.5 µg/l	4	0	0	0.013
Pesticides 2,3,6-Tba	0.1 µg/l	4	0	< 0.002	< 0.003
Pesticides Asulam	0.1 µg/l	4	0	< 0.002	< 0.003
Pesticides Benazolin (Total)	0.1 µg/l	4	0	< 0.003	< 0.003
Pesticides Clopyralid	0.1 µg/l	4	0	< 0.003	0.01
Pesticides Diazinon	0.1 µg/l	4	0	< 0.001	< 0.003
Pesticides Linuron	0.1 µg/l	4	0	< 0.002	< 0.004
Pesticides MCPA 4-chloro-o-toloxoyacetic acid	0.1 µg/l	4	0	< 0.003	0.005
Pesticides MCPP (Mecoprop)	0.1 µg/l	4	0	< 0.002	< 0.003
Polycyclic Aromatic Hydrocarbons (Total by Calculation)	0.1 µg/l	4	0	0	0.001
Residual Disinfectant - Free	No abnormal change	12	-n/a	0.42	0.76
Residual Disinfectant - Total	No abnormal change	12	-n/a	0.56	0.84
Selenium (Total)	10 µg Se/l	4	0	< 0.04	0.3
Sodium (Total)	200 mg Na/l	4	0	24.6	32.1
Sulphate	250 mg SO4/l	4	0	44.8	57.7
Taste (Taste Quant)	0 Dilution number at 25°C	4	0	0	0
Tetrachloromethane (Total)	3 µg/l	4	0	< 0.02	0.04
Total Organic Carbon	No abnormal change	4	-n/a	1.6	2.2
(Total by Calculation)	10 µg/l	4	0	0	0
Trihalomethanes (Total by Calculation)	100 µg/l	4	0	41.97	50.53
Turbidity	4 NTU	4	0	0.13	0.25

**Commentary on Water Quality**

All of the samples collected from this zone in 2019 complied with the Water Supply (Water Quality) Regulations 2010.

There were no Undertakings or Authorised Departures applied to this water supply zone during 2019.