

**Albion Eco Ltd**

**Report Date Range: For the whole year 2021**

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

Parameter Name	Prescribed Concentration or Value	Total Number of Tests	1 percentile (representing a minimum)	99 percentile (representing a maximum)	No. of zones failing standard
1,2 Dichloroethane (Total)	µg/l	4	< 0.16	< 0.16	0
2,3,6-Tba	µg/l	4	< 0.009	< 0.01	0
Aluminium (Total)	µg/l Al	4	< 0.015	< 14.5	0
Ammonium (Total)	mg/l NH4	4	< 0.008	< 0.008	0
Antimony	µg/l Sb	4	0.08	0.11	0
Arsenic (Total)	µg/l As	4	< 0.15	< 0.18	0
Asulam	µg/l	4	< 0.008	< 0.014	0
Benazolin (Total)	µg/l	4	< 0.01	< 0.011	0
Benzene (Total)	µg/l	4	< 0.06	< 0.06	0
Benzo[a]Pyrene (Total)	µg/l	4	< 0.00057	< 0.00057	0
Boron	mg/l B	4	< 0.032	< 0.32	0
Bromate	µg/l BrO3	4	< 0.15	< 0.15	0
Cadmium (Total)	µg/l Cd	4	< 0.03	< 0.03	0
Chloride	mg/l Cl	4	18.3	43.1	0
Chromium (Total)	µg/l Cr	4	< 0.18	< 0.18	0
Clopyralid (Total)	µg/l	4	< 0.011	< 0.022	0
Clostridium Perfringens (Sulphite-reducing Clostridia) (Confirmed)	No. /100ml	4	0	0	0
Coliform Bacteria (Indicator)	No. /100ml	12	0	0	0
Colony Counts After 3 Days At 22øc (Colony Counts)	Count	4	0	1	0
Colony Counts After 48 Hours At 37øc (Colony Counts)	Count	4	0	4	0
Colour	mg/l Pt/Co	4	< 2.9	< 2.9	0
Conductivity (Electrical Conductivity)	µS/cm @ 20 °C	4	209	296	0
Copper (Total)	mg/l Cu	4	0.0193	0.0409	0
Cyanide (Total)	µg/l CN	4	< 5.5	< 5.5	0
Diazinon (Total)	µg/l	4	< 0.006	< 0.007	0
E.Coli (faecal coliforms Confirmed)	No. /100ml	12	0	0	0
Enterococci (Confirmed)	No. /100ml	4	0	0	0
Fluoride (Total)	mg/l F	4	< 0.04	0.06	0
Hydrogen ion (pH) - Indicator (Hydrogen ion) (pH)	pH value	4	7.51	7.87	0
Iron (Total)	µg/l Fe	4	8.66	16.2	0
Lead (10)	µg/l Pb	4	0.27	3.84	0
Linuron (Total)	µg/l	4	< 0.007	< 0.012	0
Manganese (Total)	µg/l Mn	4	< 0.85	< 0.85	0
MCPA (Total) 4-chloro-o-tolyloxyacetic acid	µg/l	4	< 0.008	< 0.012	0
MCPP(Mecoprop) (Total)	µg/l	4	< 0.007	< 0.009	0
Mercury (Total)	µg/l Hg	4	< 0.06	< 0.06	0
Nickel (Total)	µg/l Ni	4	0.61	0.92	0
Nitrate (Total)	mg/l NO3	4	4.38	10.8	0
Nitrite - Consumer's Taps	mg/l NO2	4	< 0.002	0.007	0
Nitrite/Nitrate formula	mg/l	4	0.09	0.22	0
Odour	No.	5	0	0	0
Pesticides (Total by Calculation)	µg/l	4	0	0.01	0
Polycyclic Aromatic Hydrocarbons (Total by Calculation)	µg/l	4	0	0	0
Residual Disinfectant - Free	mg/l	12	0.54	0.89	0
Residual Disinfectant - Total	mg/l	12	0.61	0.92	0
Selenium (Total)	µg/l Se	4	< 0.32	< 0.32	0
Sodium (Total)	mg/l Na	4	18.8	39.5	0
Sulphate	mg/l SO4	4	47.3	55.9	0
Taste (Taste Quant)	No.	4	0	0	0
Tetrachloromethane (Total)	µg/l	4	< 0.16	< 0.16	0
Total Organic Carbon	mg/l C	4	1.5	1.9	0
Trichloroethene & Tetrachloroethene - Sum Of 2 Substances (Total)	µg/l	4	0	< 0.4	0
Trihalomethanes (Total by Calculation)	µg/l	4	31.51	48.9	0
Turbidity	NTU	4	< 0.13	0.18	0

**Commentary on Water Quality**

All of the samples collected from this zone in 2021 complied with the Water Supply (Water Quality) Regulations 2018  
 There were no Undertakings or Authorised Departures applied to this water supply zone during 2021