

Albion Eco Ltd

Report Date Range: For the whole year 2018

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	0.07
Aluminium (Total)	200 µg Al/l	4	0	11.1	19.4
Ammonium (Total)	0.5 mg NH4/l	4	0	0.004	0.004
Antimony	5 µg Sb/l	4	0	0.044	0.13
Arsenic (Total)	10 µg As/l	4	0	0.12	0.16
Benzene (Total)	1 µg/l	4	0	0.02	0.02
Benzo[a]Pyrene (Total)	0.01 µg/l	4	0	0.00022	0.00022
Boron	1 mg B/l	4	0	0.00899	0.0189
Bromate	10 µg BrO3/l	4	0	0.1	0.1
Cadmium (Total)	5 µg Cd/l	4	0	0.013	0.015
Chloride	250 mg Cl/l	4	0	20.4	28.8
Chromium (Total)	50 µg Cr/l	4	0	0.27	0.78
Clostridium Perfringens (Sulphite-reducing Clostridia) (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
Conductivity (Electrical Conductivity)	2500 µS/cm at 20°C	4	0	231	272
Copper (Total)	2 mg Cu/l	4	0	0.0038	0.0831
Cyanide (Total)	50 µg CN/l	4	0	0.7	0.7
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	0.04
Hydrogen ion (pH) - Indicator (Hydrogen ion) (pH)	6.5 - 9.5 pH Value	4	0	7.37	7.55
Iron (Total)	200 µg Fe/l	4	0	14.9	46.2
Lead (10 - will apply 25.12.2013)	10 µg Pb/l	4	0	0.14	2.63
Manganese (Total)	50 µg Mn/l	4	0	0.85	5.75
Mercury (Total)	1 µg Hg/l	4	0	0.02	0.05
Nickel (Total)	20 µg Ni/l	4	0	0.66	1.34
Nitrate (Total)	50 mg NO3/l	4	0	4.85	6.07
Nitrite - Consumer's Taps	0.5 mg NO2/l	4	0	0.002	0.002
Nitrite/Nitrate formula	1 mg/l	4	0	0.1	0.12
Odour	0 Dilution number at 25°C	4	0	0	0
Pesticides (Total by Calculation)	0.5 µg/l	4	0	0	0.024
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 Benzazolin (Total)	0.1 µg/l	4	0	0.003	0.003
Pesticides Clopyralid	0.1 µg/l	4	0	0.005	0.015
Pesticides Diazinon	0.1 µg/l	4	0	0.001	0.003
Pesticides Linuron	0.1 µg/l	4	0	0.002	0.007
Pesticides MCPA 4-chloro-o-tolylxyacetic acid	0.1 µg/l	4	0	0.004	0.005
Pesticides MCPP (Mecoprop)	0.1 µg/l	4	0	0.003	0.004
Polycyclic Aromatic Hydrocarbons (Total by Calculation)	0.1 µg/l	4	0	0	0
Residual Disinfectant - Free	No abnormal change	12	-n/a	0.38	0.72
Residual Disinfectant - Total	No abnormal change	12	-n/a	0.45	0.85
Selenium (Total)	10 µg Se/l	4	0	0.16	0.37
Sodium (Total)	200 mg Na/l	4	0	19.6	28
Sulphate	250 mg SO4/l	4	0	45.4	51.6
Taste (Taste Quant)	0 Dilution number at 25°C	4	0	0	0
Tetrachloromethane (Total)	3 µg/l	4	0	0.02	0.02
Total Organic Carbon	No abnormal change	4	-n/a	1.3	1.7
Trichloroethene & Tetrachloroethene - Sum Of 2 Substances (Total by Calculation)	10 µg/l	4	0	0	0
Trihalomethanes (Total by Calculation)	100 µg/l	4	0	41.12	48.34
Turbidity	4 NTU	4	0	0.11	0.23

**Commentary on Water Quality**

All of the samples collected from this zone in 2018 complied with the Water Supply (Water Quality) Regulations 2010. There were no Undertakings or Authorised Departures applied to this water supply zone during 2018