Albion Eco Ltd

Report Date Range: 01/01/24-31/12/24

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)	3 µg/l	4	<	0.16	<	0.16	0
2,3,6-Tba	0.1 µg/l	4	<	0.006	<	0.009	0
Aluminium (Total)	200 µg/l Al	4	<	14.5	<	14.5	0
Ammonium (Total)	0.5 mg/l NH4	4	<	0.008		0.021	0
Antimony	5 µg/l Sb	4	<	0.07		0.13	0
Arsenic (Total)	10 µg/l As	4	<	0.15		0.25	0
Asulam	0.1 µg/l	4	<	0.004	<	0.005	0
Benazolin (Total)	0.1 µg/l	4	<	0.013	<	0.014	0
Benzene (Total)	1 µg/l	4	<	0.06	<	0.06	0
Benzo[a]Pyrene (Total)	0.01 µg/l	4	<	0.00042	<	0.00042	0
Boron	1 mg/l B	4	<	0.032	<	0.032	0
Bromate	10 µg/l BrO3	4	<	0.1	<	0.1	0
Cadmium (Total)	5 µg/l Cd	4	<	0.03	<	0.03	0
Chloride	250 mg/l C	4		18.2		30.6	0
Chromium (Total)	50 µg/l Cr	4	<	0.18	<	0.18	0
Clopyralid (Total)	0.1 µg/l	4	<	0.011	<	0.012	0
Clostridum Perfringens (Sulphite-reducing Clostridia) (Confirmed)	0 number/100ml	4		0		0	0
Coliform Bacteria (Indicator)	0 number/100ml	12		0		0	0
Colony Counts After 3 Days At 22øc (Colony Counts)	No abnormal change	4		0		0	0
Colony Counts After 48 Hours At 37øc (Colony Counts)	No abnormal change	4		0		35	0
Colour	20 mg/l Pt/Co	4	<	3	<	3	0
Conductivity (Electrical Conductivity)	2500 µS/cm @ 20 °C	4		221		370	0
Copper (Total)	2 mg/l Cu	4		0.0011		0.0061	0
Cyanide (Total)	50 µg/l CN	4	<	1.2	<	1.2	0
Diazinon (Total)	0.1 µg/l	4	<	0.007	<	0.007	0
E.Coli (faecal coliforms Confirmed)	0 number/100ml	12		0		0	0
Enterococci (Confirmed)	0 number/100ml	4		0		0	0
Fluoride (Total)	1.5 mg/l F	4	<	0.04		0.06	0
Hydrogen ion (pH) - Indicator (Hydrogen ion) (pH)	6.5 - 9.5 pH value	4		7.48		7.7	0
Iron (Total)	200 µg/l Fe	4	<	5.23		12.5	0
Lead (10)	10 µg/l Pb	4	<	0.04		0.28	0
Linuron (Total)	0.1 µg/l	4	<	0.009	<	0.009	0
Manganese (Total)	50 µg/l Mn	4	<	0.85	<	0.85	0
MCPA (Total) 4-chloro-o-tolyloxyacetic acid	0.1 µg/l	4	<	0.006	<	0.008	0
MCPP (Mecoprop) (Total)	0.1 µg/l	4	<	0.009	<	0.01	0
Mercury (Total)	1 µg/l Hg	4	<	0.04	<	0.04	0
Nickel (Total)	20 µg/l Ni	4		0.69		1.33	0
Nitrate (Total)	50 mg/l NO3	4		5.46		11.4	0
Nitrite - Consumer's Taps	0.5 mg/l NO2	4	<	0.002	<	0.002	0
Nitrite/Nitrate formula	1 mg/l	4		0.11		0.23	0
Odour	0 Dilution number at 25°C	4		0		0	0
Pesticides (Total by Calculation)	0.5 µg/l	4		0		0	0
Polycyclic Aromatic Hydrocarbons (Total by Calculation)	0.1 µg/l	4		0		0	0
Residual Disinfectant - Free	No abnormal change	12		0.18		0.69	0
Residual Disinfectant - Total	No abnormal change	12		0.29		0.82	0
Selenium (Total)	10 µg/l Se	4	<	0.32	<	0.32	0
Sodium (Total)	200 mg/l Na	4		22.3		35.8	0
Sulphate	250 mg/l SO4	4		41.9		70.2	0
Taste (Taste Quant)	0 Dilution number at 25°C	4		0		0	0
Tetrachloromethane (Total)	3 µg/l	4	<	0.16	<	0.16	0
Total Organic Carbon	No abnormal change	4		1.3		1.77	0
Trichloroethene & Tetrachloroethene - Sum Of 2 Substances (Total by Calculation)	10 µg/l	4		0		0	0
Trihalomethanes (Total by Calculation)	100 µg/l	4		37.04		51.83	0
Turbidity	4 NTU	4		0.09		0.33	0

Commentary on Water Quality

All of the samples collected from this zone in 2024 complied with the Water Supply (Water Quality) Regulations 2018
There were no Undertakings or Authorised Departures applied to this water supply zone during 2024