

Albion Eco Ltd

Report Date Range: For the whole year 2020

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	2	< 0.16	< 0.16	0
2,3,6-Tba	µg/l	3	< 0.01	< 0.01	0
Aluminium (Total)	µg/l Al	3	< 14.4	< 14.5	0
Ammonium (Total)	mg/l NH4	3	< 0.008	< 0.008	0
Antimony	µg/l Sb	2	0.08	0.19	0
Arsenic (Total)	µg/l As	2	0.15	0.17	0
Asulam	µg/l	3	< 0.008	< 0.008	0
Benazolin (Total)	µg/l	3	< 0.01	< 0.01	0
Benzene (Total)	µg/l	2	< 0.09	< 0.09	0
Benzo[a]Pyrene (Total)	µg/l	2	< 0.00057	< 0.00057	0
Boron	mg/l B	2	< 0.032	< 0.032	0
Bromate	µg/l BrO3	2	< 0.15	< 0.15	0
Cadmium (Total)	µg/l Cd	2	< 0.03	< 0.03	0
Chloride	mg/l Cl	2	21.3	27.2	0
Chromium (Total)	µg/l Cr	2	< 0.18	< 0.18	0
Clopyralid (Total)	µg/l	3	< 0.015	< 0.015	0
Clostridium Perfringens (Sulphite-reducing Clostridia) (Confirmed)	No. /100ml	3	0	0	0
Coliform Bacteria (Indicator)	No. /100ml	8	0	0	0
Colony Counts After 3 Days At 22°C (Colony Counts)	Count	3	0	0	0
Colony Counts After 48 Hours At 37°C (Colony Counts)	Count	3	0	1	0
Colour	mg/l Pt/Co	3	< 2.9	< 2.9	0
Conductivity (Electrical Conductivity)	µS/cm @ 20 °C	3	213	230	0
Copper (Total)	mg/l Cu	2	0.0042	0.049	0
Cyanide (Total)	µg/l CN	2	< 5.5	< 5.5	0
Diazinon (Total)	µg/l	3	< 0.006	< 0.006	0
E.Coli (faecal coliforms Confirmed)	No. /100ml	8	0	0	0
Enterococci (Confirmed)	No. /100ml	2	0	0	0
Fluoride (Total)	mg/l F	2	< 0.04	< 0.05	0
Hydrogen ion (pH) - Indicator (Hydrogen ion) (pH)	pH value	3	7.34	7.67	0
Iron (Total)	µg/l Fe	3	< 5.23	< 11.1	0
Lead (10)	µg/l Pb	2	0.08	0.43	0
Linuron (Total)	µg/l	3	< 0.012	< 0.012	0
Manganese (Total)	µg/l Mn	3	< 0.85	< 0.85	0
MCPA (Total) 4-chloro-o-toloxoacetic acid	µg/l	3	< 0.012	< 0.018	0
MCPP(Mecoprop) (Total)	µg/l	3	< 0.009	< 0.009	0
Mercury (Total)	µg/l Hg	2	< 0.06	< 0.06	0
Nickel (Total)	µg/l Ni	2	0.52	0.71	0
Nitrate (Total)	mg/l NO3	2	9.37	10.3	0
Nitrite - Consumer's Taps	mg/l NO2	2	< 0.002	< 0.004	0
Nitrite/Nitrate formula	mg/l	2	0.19	0.21	0
Odour	No.	3	0	0	0
Pesticides (Total by Calculation)	µg/l	3	0	0.018	0
Polycyclic Aromatic Hydrocarbons (Total by Calculation)	µg/l	2	0	0	0
Residual Disinfectant - Free	mg/l	8	0.46	0.89	0
Residual Disinfectant - Total	mg/l	8	0.51	0.92	0
Selenium (Total)	µg/l Se	2	< 0.32	< 0.32	0
Sodium (Total)	mg/l Na	2	25	27.1	0
Sulphate	mg/l SO4	2	52	59.8	0
Taste (Taste Quant)	No.	3	0	0	0
Tetrachloromethane (Total)	µg/l	2	< 0.13	< 0.13	0
Total Organic Carbon	mg/l C	2	1.7	2.5	0
Trichloroethene & Tetrachloroethene - Sum Of 2 Substances (Total)	µg/l	2	0	0	0
Trihalomethanes (Total by Calculation)	µg/l	2	34.39	48.88	0
Turbidity	NTU	3	0.18	0.27	0

Commentary on Water Quality

All of the samples collected from this zone in 2020 complied with the Water Supply (Water Quality) Regulations 2018
 Covid-19 restrictions limited the number of compliance samples possible during 2020
 There were no Undertakings or Authorised Departures applied to this water supply zone during 2020