

Water composition range for the new back up supply and current supply

Parameters	Current Supply Range		Back Up Supply Range		Regulatory Limit
	Min	Max	Min	Max	PCV
1,2 Dichloroethane	0	0	0	0	3
Aldrin	0	0	0	0	0.03
Alkalinity as (mg/l as CaCO <sub>3</sub> )	3.9	114	49	163	-
Aluminium	4.8	151	5	10	200
Ammonium	0.014	0.07	0.013	0.043	0.5
Antimony	0.036	4.41	0.1	0.4	5
Arsenic	0.076	0.139	0.16	3.217	10
Benzene	0.04	0.05	0	0	1
Benzo-3,4 Pyrene	0	0	0	0	0.01
Boron	0.007	0.015	0	0	1
Bromate	0.63	1.66	0.55	1.87	10
Cadmium	0.006	0.011	0	0.043	5
Calcium hardness (mg/l as CaCO <sub>3</sub> )	23	41	90	239	-
Chloride	0.05	0.17	8.36	92.14	250
Chromium	0.05	0.17	0.11	0.55	10
Clostridium perfringens	0	0	0	0	0
Coliform Bacteria	0	0	0	0	0
Colony Count After 48 Hours at 37°C	0	0	0	0	-
Colour	0.28	1.08	0.2	1.42	-
Conductivity	92.4	336	225	764	-
Copper	0.0015	0.0015	0.0009	0.0039	2
Cyanide	0.7	2	2.2	2.5	50
Dieldrin	0.002	0.003	0	0	0.03
E. coli	0	0	0	0	0
Enterococci	0	0	0	0	0
Fluoride	0.3	0.81	0	1.05	-
Free Chlorine	0.32	1.2	0.1	0.7	-
Heptachlor	0.001	0.002	0	0	0.03
Iron	10	366	11	10	200
Lead	0.26	0.26	0.11	0.5	10
Manganese	0.4	3.5	0.2	12.6	50
Mercury	0.022	0.022	0	0	1
Nickel	0.92	1.9	0.58	2.2	20
Nitrate	1.97	8.57	5.6	40	50
PAH	0	0	0	0	0.1
pH	6.85	8.5	6.5	8.18	-
Selenium	0	0	0.04	0.47	10
Sodium	9.1	12.6	6	62	200
Total hardness	28.9	51.2	90	352	-
Total Organic Carbon	0.4	1.5	1.5	2.8	-
Turbidity	0.06	0.42	0.06	1	4

Data taken from the max of Edgbaston/Hockley/Strensham. Values adjusted where above PCV to account for the raw water values. Frankley WTW values used for current supply to eliminate effects of distribution. Data is representative of the water quality, some PCV exceedances which are deemed unrepresentative (i.e. event driven) have been removed. Data used from 2017