

Water Quality Summary Report

Period:	From	30 th October 2020	To	31 st December 2020
Zone Name:	Westridge, Isle of Wight			
Zone Reference	ZBSR02			

Parameter name	Units	Samples taken	< or >	Min	Mean	< or >	Max	Regulatory Limit or Range	No of Failures
Colour	mg/l Pt/Co	1	<	2.8	2.8	<	2.8	20	0
Turbidity	NTU	1	<	0.16	0.16	<	0.16	4	0
Odour	No.	1		0	0		0	1	0
Taste (Taste Quant)	No.	1		0	0		0	1	0
Hydrogen ion (pH) - Indicator (Hydrogen ion) (pH)	pH value	1		7.36	7.36		7.36	6.5(min) to 9.5(max)	0
Sulphate	mg/l SO4	1		32.7	32.7		32.7	250	0
Sodium (Total)	mg/l Na	1		25	25		25	200	0
Nitrate (Total)	mg/l NO3	1		19.6	19.6		19.6	50	0
Nitrite - Consumer's Taps	mg/l NO2	1		0.004	0.004		0.004	0.5	0
Nitrite/Nitrate formula	mg/l	1		0.394	0.394		0.394	1	0
Ammonium (Total)	mg/l NH4	1	<	0.008	0.008	<	0.008	0.5	0
Total Organic Carbon	mg/l C	1		2.9	2.9		2.9	-	0
Aluminium (Total)	µg/l Al	1	<	14.5	14.5	<	14.5	200	0
Iron (Total)	µg/l Fe	1		9.3	9.3		9.3	200	0
Manganese (Total)	µg/l Mn	1	<	0.85	0.85	<	0.85	50	0
Copper (Total)	mg/l Cu	1		0.0336	0.0336		0.0336	2	0
Fluoride (Total)	mg/l F	1		0.1	0.1		0.1	1.5	0
Arsenic (Total)	µg/l As	1		0.49	0.49		0.49	10	0
Cadmium (Total)	µg/l Cd	1	<	0.03	0.03	<	0.03	5	0

Cyanide (Total)	µg/l CN	1	<	5.5	5.5	<	5.5	50	0
Chromium (Total)	µg/l Cr	1	<	0.18	0.18	<	0.18	50	0
Mercury (Total)	µg/l Hg	1	<	0.06	0.06	<	0.06	1	0
Nickel (Total)	µg/l Ni	1		2.42	2.42		2.42	20	0
Lead (10)	µg/l Pb	1		0.4	0.4		0.4	10	0
Antimony	µg/l Sb	1		0.1	0.1		0.1	5	0
Selenium (Total)	µg/l Se	1	<	0.32	0.32	<	0.32	10	0
Pesticides (Total by Calculation)	µg/l	1		0	0		0	0.5	0
Polycyclic Aromatic Hydrocarbons (Total by Calculation)	µg/l	1		0	0		0	0.1	0
Coliform Bacteria (Indicator)	No. /100ml	2		0	0		0	1	0
E.Coli (faecal coliforms Confirmed)	No. /100ml	2		0	0		0	1	0
Enterococci (Confirmed)	No. /100ml	1		0	0		0	1	0
Clostridium Perfringens (Sulphite-reducing Clostridia) (Confirmed)	No. /100ml	1		0	0		0	1	0
Colony Counts After 3 Days At 22øc (Colony Counts)	Count/ml at 22øc	1		0	0		0	-	0
Residual Disinfectant - Total	mg/l	2		0.2	0.2		0.2	-	0
Colony Counts After 48 Hours At 37øc (Colony Counts)	Count/ml at 37øc	1		0	0		0	-	0
Conductivity (Electrical Conductivity)	µS/cm @ 20 °C	1		455	455		455	2500	0
Chloride	mg/l C	1		59.5	59.5		59.5	250	0
Boron	mg/l B	1		0.0365	0.0365		0.0365	1	0
Benzo[a]Pyrene (Total)	µg/l	1	<	0.0006	0.0006	<	0.0006	0.01	0
Tetrachloromethane (Total)	µg/l	1	<	0.13	0.13	<	0.13	3	0
Trichloroethene & Tetrachloroethene - Sum Of 2 Substances (Total by Calculation)	µg/l	1		0	0		0	10	0
Trihalomethanes (Total by Calculation)	µg/l	1		58.16	58.16		58.16	100	0
1,2 Dichloroethane (Total)	µg/l	1	<	0.16	0.16	<	0.16	3	0
Benzene (Total)	µg/l	1	<	0.09	0.09	<	0.09	1	0
Bromate	µg/l BrO3	1		0.67	0.67		0.67	10	0
Gross Alpha	Bq/l	1	<	0.019	0.019	<	0.019	0.1	0
Gross Beta	Bq/l	1		0.146	0.146		0.146	1.0	0

Tritium	Bq/l	1	<	5.6	5.6	<	5.6	10.0	0
Atrazine (Total)	µg/l	1	<	0.004	0.004	<	0.004	0.1	0
Bentazone (Total)	µg/l	1	<	0.004	0.004	<	0.004	0.1	0
Clopyralid (Total)	µg/l	1	<	0.015	0.015	<	0.015	0.1	0
2 4-D (Total)	µg/l	1	<	0.012	0.012	<	0.012	0.1	0
Flutriafol	µg/l	1	<	0.005	0.005	<	0.005	0.1	0
Glyphosate	µg/l	1	<	0.025	0.025	<	0.025	0.1	0
MCPP(Mecoprop) (Total)	µg/l	1	<	0.009	0.009	<	0.009	0.1	0
MCPA (Total) 4-chloro-o-tolyloxyacetic acid	µg/l	1	<	0.012	0.012	<	0.012	0.1	0
Propiconazole	µg/l	1	<	0.007	0.007	<	0.007	0.1	0
Propyzamide (Total)	µg/l	1	<	0.009	0.009	<	0.009	0.1	0
Triclopyr (Total)	µg/l	1	<	0.028	0.028	<	0.028	0.1	0
Trietazine	µg/l	1	<	0.004	0.004	<	0.004	0.1	0
Tebuconazole (Total)	µg/l	1	<	0.005	0.005	<	0.005	0.1	0
Metazachlor	µg/l	1	<	0.006	0.006	<	0.006	0.1	0
Metaldehyde	µg/l	1	<	0.007	0.007	<	0.007	0.1	0
Flufenacet	µg/l	1	<	0.008	0.008	<	0.008	0.1	0
Spiroxamine	µg/l	1	<	0.006	0.006	<	0.006	0.1	0
Quinmerac	µg/l	1	<	0.006	0.006	<	0.006	0.1	0



Commentary on Water Quality

All the samples collected from this zone to date have complied with the Water Supply (Water Quality) Regulations 2016. No Undertakings or Authorised Departures currently apply to this water supply zone.

Additional Water Quality Information

The supply to this area is from surface water treated at Carisbrooke, Chillerton, Knighton and Sandown Water Treatment Works. These works are owned and operated by Southern Water. As part of the treatment process phosphate is dosed for plumbosolvency control. Icosa Water take a bulk supply of water from Southern Water with the connection point occurring in Southern Water's Brading supply zone. This water is transported via Icosa Waters publicly regulated water supply network to supply Westridge Village.

Water Hardness Information

Hardness Classification	Moderately Hard
Calcium Carbonate (CaCO₃)	198 ppm
Calcium	89 ppm
Degrees Clark	13.9
Degrees French	19.8
Degrees German	11.1
Millimoles per litre	2.0