

Scottish Water

Water Register

Date range of sample: 01/01/2021 to 31/12/2021

Regulation Zone = Korbister Orkney

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Parameter Name	No. of Results	PCV	Units of Measure	Results Failing PCV (%)	Min	Mean	Max
Colour	24	20	mg/l Pt/Co	0	< 2	2.50	3
Turbidity	24	4	NTU	0	< 0.30	< 0.30	< 0.30
Odour	24	0	Dilution number	0	0	0	0
Taste	24	0	Dilution number	0	0	0	0
Hydrogen ion (pH)	24	9.5	pH units	0	7.70	8.06	8.30
Sulphate	8	250	mgSO <sub>4</sub> /l	0	50.90	65.14	77.40
Sodium	8	200	mgNa/l	0	40.40	44.71	50.40
Nitrate	24	50	mgNO <sub>3</sub> /l	0	< 0.50	1.25	2.53
Nitrite	24	0.5	mgNO <sub>2</sub> /l	0	< 0.02	0.05	0.35
Nitrite/Nitrate formula	24		Unitless	0	0	0.04	0.12
Ammonium (total)	24	0.5	mg/l as NH <sub>4</sub>	0	0.10	0.27	0.30
Total organic carbon	9		mgC/l	0	1.90	2.47	3.50
Aluminium	24	200	µgAl/l	0	11	17.58	29
Iron	24	200	µgFe/l	0	< 5	7.25	25
Manganese	24	50	µgMn/l	0	2	4.17	8
Copper	8	2	mgCu/l	0	0.00	0.02	0.07
Fluoride	8	1.5	mgF/l	0	< 0.12	< 0.14	0.34
Arsenic	8	10	µgAs/l	0	< 0.40	0.41	0.50
Cadmium	8	5	µgCd/l	0	< 0.02	< 0.02	< 0.02
Cyanide	8	50	µgCN/l	0	< 1	1.96	2.70

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Chromium	8	50	µgCr/l	0	< 0.40	< 0.40	< 0.40
Mercury	8	1	µgHg/l	0	< 0.02	< 0.02	< 0.02
Nickel	8	20	µgNi/l	0	< 0.80	0.80	0.80
Lead	8	10	µgPb/l	0	< 0.20	0.23	0.40
Antimony	8	5	µgSb/l	0	0.03	0.05	0.07
Selenium	8	10	µgSe/l	0	< 0.60	< 0.60	< 0.60
PAH - Sum Of 4 Substances	8	0.1	µg/l	0	< 0.01	< 0.01	0.02
Coliform Bacteria (Total coliforms)	36	0	CFU/100ml	2.78	0	0.69	25
E. coli (Faecal coliforms)	36	0	CFU/100ml	0	0	0	0
Enterococci (Faecal streptococci)	8	0	CFU/100ml	0	0	0	0
Clostridium perfringens (Sulphite Reducing Clostridia)	24	0	CFU/100ml	0	0	0	0
Colony Counts After 3 Days At 22øc	23		CFU/ml	0	0	0.09	2
Colony Counts After 48 Hours At 37øc	23		CFU/ml	0	0	0	0
Residual Disinfectant - Free	37		mg/l	0	< 0.04	0.04	0.07
Residual Disinfectant - Total	37		mg/l	0	0.11	0.84	1.19
Conductivity	24	2500	µS/cm	0	344	392.46	452
Chloride	8	250	mgCl/l	0	37	42.13	52
Boron	8	1	mgB/l	0	< 0.02	< 0.04	0.07
Benzo 3_4 Pyrene	8	0.01	µg/l	0	< 0.00	< 0.00	< 0.00
Tetrachloro methane	8	3	µg/l	0	< 0.08	< 0.08	< 0.08

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Tetrachloroethene/Trichloroethene - Sum Of 2 Substances	8	10	µg/l	0	< 0.52	< 0.52	< 0.52
Total Trihalomethanes	8	100	µg/l	0	28	43.95	55.60
1_2 Dichloroethane	8	3	µg/l	0	< 0.09	< 0.09	< 0.09
Benzene	8	1	µg/l	0	< 0.08	< 0.08	< 0.08
Bromate	8	10	µgBrO3/l	0	< 0.90	1.04	2
Gross Alpha Activity	8		Bq/l	0	< 0.04	< 0.04	< 0.04
Gross Beta Activity	8		Bq/l	0	0.02	0.03	0.04
Pesticides - Total Substances	8	0.5	µg/l	0	0	0	0
2_4-D	8	0.1	µg/l	0	< 0.01	< 0.01	< 0.01
Dicamba	8	0.1	µg/l	0	< 0.01	< 0.01	< 0.01
MCPP(Mecoprop)	8	0.1	µg/l	0	< 0.01	< 0.01	< 0.01
MCPA	8	0.1	µg/l	0	< 0.00	< 0.00	< 0.00
MCPB	8	0.1	µg/l	0	< 0.01	< 0.01	< 0.01
2_4-Db	8	0.1	µg/l	0	< 0.02	< 0.02	< 0.02