

Scottish Water

Water Register

Date range of sample: 01/02/2019 to 31/01/2020

Regulation Zone = Castle Moffat

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Parameter Name	No. of Results	PCV	Units of Measure	Results Failing PCV (%)	Min	Mean	Max
Colour	38	20	mg/l Pt/Co	0	< 2	2.18	3
Turbidity	38	4	NTU	0	< 0.20	0.21	0.30
Odour	38	0	Dilution number	0	0	0	0
Taste	38	0	Dilution number	0	0	0	0
Hydrogen ion (pH)	38	9.5	pH units	0	7.50	7.77	8
Nitrate	8	50	mgNO <sub>3</sub> /l	0	0.83	1.03	1.43
Nitrite	8	0.5	mgNO <sub>2</sub> /l	0	< 0.01	< 0.01	0.02
Nitrite/Nitrate formula	8		Unitless	0	0.02	0.02	0.03
Ammonium (total)	38	0.5	mg/l as NH <sub>4</sub>	0	< 0.02	0.02	0.04
Aluminium	38	200	µgAl/l	0	9	26	77
Iron	38	200	µgFe/l	0	< 5	11.34	56
Manganese	38	50	µgMn/l	0	< 1	2.21	7
Pesticides - Total Substances	9	0.5	µg/l	0	0	0.00	0.00
PAH - Sum Of 4 Substances	8	0.1	µg/l	0	< 0.01	< 0.01	< 0.01
Coliform Bacteria (Total coliforms)	123	0	CFU/100ml	0	0	0	0
E. coli (Faecal coliforms)	123	0	CFU/100ml	0	0	0	0
Clostridium perfringens (Sulphite Reducing Clostridia)	38	0	CFU/100ml	0	0	0	0
Colony Counts After 3 Days At 22°C	38		CFU/ml	0	0	0.03	1
Colony Counts After 48 Hours At 37°C	38		CFU/ml	0	0	0	0
Residual Disinfectant - Free	123		mg/l	0	< 0.04	0.63	1.06

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<b>Parameter Name</b>	<b>No. of Results</b>	<b>PCV</b>	<b>Units of Measure</b>	<b>Results Failing PCV (%)</b>	<b>Min</b>	<b>Mean</b>	<b>Max</b>
Residual Disinfectant - Total	123		mg/l	0	0.08	0.73	1.15
Conductivity	38	2500	µS/cm	0	73	163.53	188
Chloride	8	250	mgCl/l	0	11	12.13	14
Benzo 3_4 Pyrene	8	0.01	µg/l	0	< 0.00	< 0.00	< 0.00
2_4-D	9	0.1	µg/l	0	< 0.00	0.00	0.01
Dicamba	9	0.1	µg/l	0	< 0.00	< 0.00	0.01
MCPP(Mec oprop)	9	0.1	µg/l	0	< 0.00	< 0.00	0.01
MCPA	9	0.1	µg/l	0	< 0.00	< 0.00	0.00
MCPB	9	0.1	µg/l	0	< 0.00	< 0.00	0.01
2_4-Db	9	0.1	µg/l	0	< 0.01	< 0.01	0.02
Sulphate	8	250	mgSO4/l	0	3	25.94	34.90
Sodium	8	200	mgNa/l	0	3.60	6.95	9.40
Total organic carbon	8		mgC/l	0	1.10	1.78	2.50
Copper	7	2	mgCu/l	0	0.00	0.01	0.02
Fluoride	8	1.5	mgF/l	0	0.04	0.07	0.12
Arsenic	7	10	µgAs/l	0	< 0.20	0.27	0.40
Cadmium	7	5	µgCd/l	0	< 0.02	0.02	0.02
Cyanide	8	50	µgCN/l	0	< 0.80	1.08	2
Chromium	7	50	µgCr/l	0	< 0.20	0.24	0.40
Mercury	8	1	µgHg/l	0	< 0.02	< 0.02	< 0.02

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Parameter Name	No. of Results	PCV	Units of Measure	Results Failing PCV (%)	Min	Mean	Max
Nickel	7	20	µgNi/l	0	0.20	0.46	0.80
Lead	7	10	µgPb/l	0	< 0.20	0.20	0.20
Antimony	7	5	µgSb/l	0	0.06	0.09	0.15
Selenium	7	10	µgSe/l	0	< 0.30	< 0.34	0.60
Enterococci (Faecal streptococci)	8	0	CFU/100ml	0	0	0	0
Boron	8	1	mgB/l	0	< 0.02	0.02	0.02
Bromate	8	10	µgBrO3/l	0	< 0.30	< 0.38	0.90
Gross Alpha Activity	8		Bq/l	0	< 0.04	< 0.04	< 0.04
Gross Beta Activity	8		Bq/l	0	0.02	0.02	0.03
Tetrachloro methane	8	3	µg/l	0	< 0.03	0.04	0.08
Tetrachloro ethene/Trichloroethene - Sum Of 2 Substances	8	10	µg/l	0	< 0.20	< 0.24	0.52
Benzene	8	1	µg/l	0	< 0.03	< 0.04	0.08
Total Trihalomethanes	8	100	µg/l	0	30.30	54.16	79.20
1_2 Dichloroethane	7	3	µg/l	0	< 0.03	< 0.03	< 0.03