

Scottish Water

Water Register

Date range of sample: 01/09/2015 to 31/08/2016

Regulation Zone = Aviemore

Page 1 of 3

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	< 2
Turbidity	24	4	NTU	0	< 0.20	0.20	0.20
Odour	24	3	Dilution number	0	0	0	0
Taste	23	3	Dilution number	0	0	0	0
Hydrogen ion (pH)	24	9.5	pH value	0	7.80	8.21	8.50
Sulphate	8	250	mgSO ₄ /l	0	5.40	6.03	6.50
Sodium	8	200	mgNa/l	0	10.80	12.98	15
Ammonium(ammonia and ammonium ions)	22	0.5	mg/l as NH ₄	0	< 0.03	0.03	0.05
Total organic carbon	7		mgC/l	0	0.20	0.26	0.30
Aluminium	23	200	µgAl/l	0	< 9	10.26	22
Iron	23	200	µgFe/l	0	< 7	7.17	10
Manganese	23	50	µgMn/l	0	1	1.52	4
Copper	8	2	mgCu/l	0	0.00	0.02	0.05
Fluoride	8	1.5	mgF/l	0	0.14	0.16	0.20
Arsenic	8	10	µgAs/l	0	< 0.20	< 0.20	< 0.20
Cadmium	8	5	µgCd/l	0	< 0.02	0.04	0.10
Cyanide	8	50	µgCN/l	0	< 0.80	0.80	0.80
Chromium	8	50	µgCr/l	0	0.40	0.41	0.50
Mercury	8	1	µgHg/l	0	< 0.02	< 0.02	< 0.02
Nickel	8	20	µgNi/l	0	< 0.20	0.40	1.80

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Page 2 of 3

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Lead (25)	8	25	µgPb/l	0	< 0.20	1.41	9.10
Antimony	8	5	µgSb/l	0	< 0.02	< 0.02	< 0.02
Selenium	8	10	µgSe/l	0	< 0.30	< 0.30	< 0.30
Pesticides - Total Substances	10	0.5	µg/l	0	0	0.01	0.02
PAH - Sum Of 4 Substances	8	0.1	µg/l	0	< 0.01	< 0.01	< 0.01
Coliform Bacteria (Total coliforms)	35	0	CFU in 100ml	0	0	0	0
E. coli (Faecal coliforms)	35	0	CFU in 100ml	0	0	0	0
Enterococci (Faecal streptococci)	8	0	CFU in 100ml	0	0	0	0
Clostridium perfringens (Sulphite Reducing Clostridia)	24	0	CFU in 100ml	0	0	0	0
Colony Counts After 3 Days At 22øc	24		cfu/ml	0	0	0.50	9
Colony Counts After 48 Hours At 37øc	24		cfu/ml	0	0	0.04	1
Residual Disinfectant - Free	35		mg/l	0	0.24	0.49	0.61
Residual Disinfectant - Total	35		mg/l	0	0.36	0.55	0.68
Conductivity	24	2500	uS/cm	0	136	150.38	166
Boron	8	1	mgB/l	0	< 0.02	< 0.02	< 0.02
Benzo 3,4 Pyrene	8	0.01	µg/l	0	< 0	0	0
Tetrachloro methane	7	3	µg/l	0	< 0.10	< 0.10	< 0.10
Tetrachloro ethene/Tric hloroethene - Sum Of 2 Substances	7	10	µg/l	0	< 0.40	< 0.40	< 0.40

Total Trihalometh anes	7	100	µg/l	0	< 3.20	3.66	4.40
1,2 Dichloroeth ane	7	3	µg/l	0	< 0.10	< 0.10	< 0.10

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Page 3 of 3

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Benzene	7	1	µg/l	0	< 0.03	< 0.03	< 0.03
Bromate	8	10	µgBrO ₃ /l	0	< 1.30	< 1.30	< 1.30
Gross Alpha Activity	8		Bq/l	0	< 0.04	< 0.04	< 0.04
Gross Beta Activity	8		Bq/l	0	0.03	0.03	0.04
Aldrin	8	0.03	µg/l	0	< 0.00	< 0.00	< 0.00
Atrazine	8		µg/l	0	< 0.00	0.01	0.02
Diazinon	8	0.1	µg/l	0	< 0.00	< 0.00	0.01
Dieldrin	8	0.03	µg/l	0	< 0.00	< 0.00	< 0.00
Gamma-HCH (Lindane)	8	0.1	µg/l	0	< 0.00	< 0.00	< 0.00
Heptachlor	8	0.03	µg/l	0	< 0.00	< 0.00	< 0.00
Heptachlor epoxide	8	0.03	µg/l	0	< 0.01	< 0.01	< 0.01
Propetamphos	8	0.1	µg/l	0	< 0.00	< 0.00	0.00
Simazine	8		µg/l	0	< 0.00	< 0.00	0.00
Nitrate	6	50	mgNO ₃ /l	0	2.28	2.70	3
Nitrite	6	0.5	mgNO ₂ /l	0	< 0.01	< 0.01	< 0.01
Nitrite/Nitrate formula	6			0	0.05	0.06	0.06
Chloride	6	250	mgCl/l	0	16	18.50	21
Tritium	1		Bq/l	0	< 14	< 14	< 14