

Scottish Water

Water Register

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

Regulation Zone = Black Esk

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Parameter Name	No. of Results	PCV	Units of Measure	Results Failing PCV (%)	Min	Mean	Max
Colour	31	20	mg/l Pt/Co	0	< 2	2	2
Turbidity	31	4	NTU	0	< 0.20	0.21	0.50
Odour	31	3	Dilution number	0	0	0	0
Taste	31	3	Dilution number	0	0	0	0
Hydrogen ion (pH)	31	9.5	pH value	0	7.60	7.98	8.30
Nitrate	6	50	mgNO ₃ /l	0	< 1	1.11	1.34
Nitrite	6	0.5	mgNO ₂ /l	0	< 0.01	< 0.01	< 0.01
Nitrite/Nitrate formula	6			0	0.02	0.02	0.03
Ammonium (ammonia and ammonium ions)	31	0.5	mg/l as NH ₄	0	< 0.03	0.03	0.03
Aluminium	31	200	µgAl/l	0	15	29.39	100
Iron	31	200	µgFe/l	0	< 7	9.90	72
Manganese	31	50	µgMn/l	3.23	< 1	6.29	119
PAH - Sum Of 4 Substances	9	0.1	µg/l	0	< 0.01	< 0.01	< 0.01
Coliform Bacteria (Total coliforms)	84	0	CFU in 100ml	0	0	0	0
E. coli (Faecal coliforms)	84	0	CFU in 100ml	0	0	0	0
Clostridium perfringens (Sulphite Reducing Clostridia)	31	0	CFU in 100ml	0	0	0	0
Colony Counts After 3 Days At 22°C	31		cfu/ml	0	0	5.19	53
Colony Counts After 48 Hours At 37°C	31		cfu/ml	0	0	5.90	113
Residual Disinfectant - Free	85		mg/l	0	0.03	0.26	0.56
Residual Disinfectant - Total	85		mg/l	0	0.04	0.31	0.69

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Conductivity	31	2500	uS/cm	0	116	155.84	192
Chloride	6	250	mgCl/l	0	8	8.33	10
Benzo 3,4 Pyrene	9	0.01	µg/l	0	< 0	< 0	< 0
Sulphate	7	250	mgSO4/l	0	23.80	33.56	43
Sodium	7	200	mgNa/l	0	5.20	5.60	6.10
Total organic carbon	6		mgC/l	0	0.70	1.40	2
Copper	7	2	mgCu/l	0	< 0.00	0.00	0.01
Fluoride	7	1.5	mgF/l	0	< 0.04	< 0.04	< 0.04
Arsenic	7	10	µgAs/l	0	< 0.20	0.21	0.30
Cadmium	7	5	µgCd/l	0	< 0.02	0.02	0.03
Cyanide	7	50	µgCN/l	0	< 0.80	0.97	1.90
Chromium	7	50	µgCr/l	0	< 0.20	< 0.20	< 0.20
Mercury	7	1	µgHg/l	0	< 0.02	< 0.02	< 0.02
Nickel	7	20	µgNi/l	0	0.20	0.34	0.50
Lead (25)	7	25	µgPb/l	0	< 0.20	< 0.20	< 0.20
Antimony	7	5	µgSb/l	0	0.05	0.10	0.32
Selenium	7	10	µgSe/l	0	< 0.30	< 0.30	< 0.30
Pesticides - Total Substances	7	0.5	µg/l	0	0	0	0
Enterococci (Faecal streptococci)	7	0	CFU in 100ml	0	0	0	0
Boron	7	1	mgB/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
Tetrachloro methane	7	3	µg/l	0	< 0.10	0.10	0.10
Tetrachloro ethene/Trichloroethene - Sum Of 2 Substances	7	10	µg/l	0	< 0.40	< 0.40	< 0.40
Total Trihalomethanes	7	100	µg/l	0	24.40	45.20	77.10
1,2 Dichloroethane	7	3	µg/l	0	< 0.10	< 0.10	< 0.10
Benzene	7	1	µg/l	0	< 0.03	< 0.03	< 0.03
Bromate	7	10	µgBrO ₃ /l	0	< 1.30	< 1.30	< 1.30
Gross Alpha Activity	7		Bq/l	0	< 0.04	< 0.04	< 0.04
Gross Beta Activity	7		Bq/l	0	< 0.02	0.02	0.02
Aldrin	7	0.03	µg/l	0	< 0.00	< 0.00	< 0.00
Dieldrin	7	0.03	µg/l	0	< 0.00	< 0.00	< 0.00
Heptachlor	7	0.03	µg/l	0	< 0.00	< 0.00	< 0.00
Heptachlor epoxide	7	0.03	µg/l	0	< 0.01	< 0.01	< 0.01
Tritium	1		Bq/l	0	< 14	< 14	< 14