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**From:** SWW Laboratory Services  
 Exeter Laboratories  
 Bridge Road  
 Exeter  
 EX2 7RZ  
 Tel: 01392 205700

Sampler	H.HURFORD
Sampled date	17-Sep-2024 12:00
Sampling point	PRIVATE SAMPLES ( PRIVATE )
Collected from	UW COLLOIDAL LABORATORIES
Sample matrix	Drinking Water
Material code	Customers Premises - Cold water system - Mains Water ( W29 )
Purpose code	Private ( P )
Sampling method	Single spot ( S )
Sampler observations	SWW 9/24
Date Sample Received	17-Sep-2024 15:09
Date authorised	30-Sep-2024 13:16

**MICROBIOLOGY**

<u>Bacteriology</u>	<u>Result</u>	<u>Unit</u>	<u>PCV</u>	<u>Notes</u>	<u>Method Reference</u>
Confirmed(Total)coliforms by Colilert	0	MPN/100ml	Max 0 MPN/100ml	D 1	TC AND EC BY COLILERT
Confirmed E.coli by Colilert	0	MPN/100ml	Max 0 MPN/100ml	D	TC AND EC BY COLILERT
Enterococci (Conf) by Enterolert	>201	MPN/100ml	Max 0 MPN/100ml	D * > 2	E BY ENTEROLERT
TVC by Pour Plate at 22 C for 3 days	0	no/ml		D	TVC BY POUR PLATE
TVC by Pour Plate at 37 C for 2 days	0	no/ml		D 3	TVC BY POUR PLATE

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Comments

*For Microbiology tests, zero means 'not detected per volume examined'.*

**INORGANIC CHEMISTRY**

<u>General Chemical Analysis</u>	<u>Result</u>	<u>Unit</u>	<u>PCV</u>	<u>Notes</u>	<u>Method Reference</u>
Hydrogen ion conc by pH Electrode	9.6	pH units	6.5 - 9.5 pH units	D *	PHYS CHEM
Conductivity at 20°C by Electro Conductivity	19.3	µS/cm	Max 2500 µS/cm	D	PHYS CHEM
Total(Dissolved) Solids by Calculation	13.5	mg/l		N	CALCULATION
Hardness(Total)as Ca by Calculation	<1.1	mg/l		D <	CALCULATION
Turbidity by Nephelometry	1.3	NTU	Max 4.0 NTU	D	TURBIDITY
Solids Suspended at 105°C by Gravimetry	<34.000	mg/l		N <	SUSPENDE SOLIDS

<u>Metals</u>	<u>Result</u>	<u>Unit</u>	<u>PCV</u>	<u>Notes</u>	<u>Method Reference</u>
Calcium as Ca by ICPMS	<1.1	mg/l		D <	METALS AND CATIONS
Magnesium as Mg by ICPMS	<1.2	mg/l		D <	METALS AND CATIONS
Potassium as K by ICPMS	<0.3	mg/l		D <	METALS AND CATIONS
Sodium as Na by ICPMS	<0.2	mg/l	Max 200 mg/l	D <	METALS AND CATIONS
Aluminium as Al by ICPMS	<25.7	µg/l	Max 200 µg/l	D <	METALS AND CATIONS
Iron(Dissolved) as Fe by ICPMS	<7.6	µg/l	Max 200 µg/l	D <	METALS AND CATIONS
Iron as Fe by ICPMS	<7.6	µg/l	Max 200 µg/l	D <	METALS AND CATIONS
Manganese as Mn by ICPMS	<0.35	µg/l	Max 50 µg/l	D <	METALS AND CATIONS
Copper as Cu by ICPMS	0.00296	mg/l	Max 2.0 mg/l	D	METALS AND CATIONS
Zinc as Zn by ICPMS	<21	µg/l		D <	METALS AND CATIONS
Lead as Pb by ICPMS	<0.1	µg/l	Max 10 µg/l	D <	METALS AND CATIONS
Cadmium as Cd by ICPMS	<0.06	µg/l	Max 5 µg/l	D <	METALS AND CATIONS
Silver as Ag by ICPOES	760	µg/l		N	METALS BY ICPOES
Arsenic as As by ICPMS	<0.62	µg/l	Max 10.00 µg/l	D <	METALS AND CATIONS

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**INORGANIC CHEMISTRY**

<u>Nutrients &amp; other Anions</u>	<u>Result</u>	<u>Unit</u>	<u>PCV</u>	<u>Notes</u>	<u>Method Reference</u>
Nitrogen Total Oxidised as NO3 by Colorimetry	<5.0	mg/l	Max 50.00 mg/l	D <	NUTRIENTS
Ammonium as NH4 by Colorimetry	0.10	mg/l	Max 0.50 mg/l	D	NUTRIENTS
Nitrate as NO3 by Calculation	<5.0	mg/l	Max 50.00 mg/l	D <	CALCULATION
Nitrite as NO2 by Colorimetry	<0.017	mg/l	Max 0.50 mg/l	D <	NUTRIENTS
Chloride as Cl- by Colorimetry	11	mg/l	Max 250 mg/l	D	NUTRIENTS
Phosphorus as P by ICPMS	<16	µg/l		D <	METALS AND CATIONS
Fluoride as F by Ion-Selective Electrode	0.188	mg/l	Max 1.5 mg/l	D	FLUORIDE
Sulphate(Dissolved) as SO4 by ICPMS	<3.3	mg/l	Max 250.0 mg/l	D <	METALS AND CATIONS

<u>Taste &amp; Odour</u>	<u>Result</u>	<u>Unit</u>	<u>PCV</u>	<u>Notes</u>	<u>Method Reference</u>
Quantitative Odour	0	DN	Max 0 DN	D	TASTE AND ODOUR
Taste & Odour Panellist 1					TASTE AND ODOUR
P1-Taste Intensity	No Taste			D	TASTE AND ODOUR
P1-Taste Description	No Taste			D	TASTE AND ODOUR
P1-Odour Intensity	No Odour			D	TASTE AND ODOUR
P1-Odour Description	No Odour			D	TASTE AND ODOUR
Taste & Odour Panellist 2					TASTE AND ODOUR
P2-Taste Intensity	No Taste			D	TASTE AND ODOUR
P2-Taste Description	No Taste			D	TASTE AND ODOUR
P2-Odour Intensity	No Odour			D	TASTE AND ODOUR
P2-Odour Description	No Odour			D	TASTE AND ODOUR
Taste & Odour Panellist 3					TASTE AND ODOUR
P3-Taste Intensity	No Taste			D	TASTE AND ODOUR
P3-Taste Description	No Taste			D	TASTE AND ODOUR
P3-Odour Intensity	No Odour			D	TASTE AND ODOUR
P3-Odour Description	No Odour			D	TASTE AND ODOUR

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Comments

None

**KEY TO ABBREVIATIONS AND NOTES**

- 1 Time analysis started was 17-Sep-2024 15:40.
- 2 Time analysis started was 17-Sep-2024 16:00.
- 3 Time analysis started was 17-Sep-2024 15:54.
- \* Result fails the limit shown
- > Result greater than reported value
- < Result less than reported value ie: is below the Limit of Detection for that method
- D Analysis is UKAS ISO17025 and DWTS accredited
- N Analysis is not accredited

**LIMIT DESCRIPTION**

PCV 'Prescribed Concentration or Value' are the recommended limits for drinking water set by the Drinking Water Inspectorate. They are generally maximum values above which the water would be deemed to have failed the standard

Under the authority of



Claire King - Laboratory Services Manager

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*Details of date(s) analysis commenced, analytical methods and estimated uncertainty of results are available from the Laboratory address above. The results are given for the sample as received by the laboratory. Sampling is outside the scope of UKAS accreditation. Opinions and interpretations are outside the scope of UKAS accreditation. This Certificate of Analysis shall not be reproduced except in full, without the written approval of the laboratory. The validity of results with 'Associated Deviations' on the Certificate of Analysis may be compromised. The validity of results may be compromised when a result is highlighted on the Certificate of Analysis as analysed or received outside sample stability time or is missing a date and time of sampling. Stability times have not been allocated to calculated results. Validity of calculated results may be compromised if an associated analysis on your C of A has been analysed outside of its recommended stability time.*

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