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**From:** SWW Laboratory Services  
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Sampler	NEIL KARANDE
Sampled date	21-Jun-2018 11:05
Sampling point	PRIVATE SAMPLES ( PRIVATE )
Sample matrix	Drinking Water
Material code	Customers Premises - Cold water system - Mains Water ( W29 )
Purpose code	Private ( P )
Sampling method	Single spot ( S )
Date Sample Received	21-Jun-2018 14:44
Date authorised	2-Jul-2018 18:31

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**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
Confirmed Enterococci by Membrane Filtration	0	no/100ml	Max 0 no/100ml	D	EF POTABLE BY MF
Presumptive Enterococci by Membrane Filtration	0	no/100ml		D 2	EF POTABLE BY MF
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**

General Chemical Analysis

	<u>Result</u>	<u>Unit</u>	<u>PCV</u>	<u>Notes</u>	<u>Method Reference</u>
Hydrogen ion conc by pH Electrode	7.4	pH units	6.5 - 9.5 pH units	D	PH COND ALK WATERS
Conductivity at 20°C by Electro Conductivity	26.3	µS/cm	Max 2500 µS/cm	D	PH COND ALK WATERS
Total(Dissolved) Solids by Calculation	18.4	mg/l		N	CALCULATION
Hardness(Total)as Ca by Calculation	<0.7	mg/l		D <	CALCULATION
Turbidity by Nephelometry	7.0	NTU	Max 4.0 NTU	D *	TURBIDITY
Solids Suspended at 105°C by Gravimetry	<12.000	mg/l		N <	SUSPENDE SOLIDS

Metals

	<u>Result</u>	<u>Unit</u>	<u>PCV</u>	<u>Notes</u>	<u>Method Reference</u>
Calcium as Ca by ICPMS	<0.7	mg/l		D <	METALS & CATS IN CLEAN WATER
Magnesium as Mg by ICPMS	<0.3	mg/l		D <	METALS & CATS IN CLEAN WATER
Potassium as K by ICPMS	<0.25	mg/l		D <	METALS & CATS IN CLEAN WATER
Sodium as Na by ICPMS	<0.3	mg/l	Max 200 mg/l	D <	METALS & CATS IN CLEAN WATER
Aluminium as Al by ICPMS	<7	µg/l	Max 200 µg/l	D <	METALS & CATS IN CLEAN WATER
Iron(Dissolved) as Fe by ICPMS	<6.5	µg/l	Max 200 µg/l	D <	METALS & CATS IN CLEAN WATER
Iron as Fe by ICPMS	<6.5	µg/l	Max 200 µg/l	D <	METALS & CATS IN CLEAN WATER
Manganese as Mn by ICPMS	<1.1	µg/l	Max 50 µg/l	D <	METALS & CATS IN CLEAN WATER
Copper as Cu by ICPMS	0.00473	mg/l	Max 2.0 mg/l	D	METALS & CATS IN CLEAN WATER
Zinc as Zn by ICPMS	<5	µg/l		D <	METALS & CATS IN CLEAN WATER
Lead as Pb by ICPMS	<0.2	µg/l	Max 10 µg/l	D <	METALS & CATS IN CLEAN WATER
Cadmium as Cd by ICPMS	<0.25	µg/l	Max 5 µg/l	D <	METALS & CATS IN CLEAN WATER
Silver as Ag by ICPOES	12	mg/l		N \$ 5	METALS CATS WASTE SOILS SLUDGE
Arsenic as As by ICPMS	<0.2	µg/l	Max 10.00 µg/l	D <	METALS & CATS IN CLEAN WATER

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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	<3.40	mg/l	Max 50.00 mg/l	D < 4	NUTRIENTS IN CLEAN WATERS
Ammonium as NH4 by Colorimetry	0.04	mg/l	Max 0.50 mg/l	D 4	NUTRIENTS IN CLEAN WATER
Nitrate as NO3 by Calculation	<3.40	mg/l	Max 50.00 mg/l	D <	CALCULATION
Nitrite as NO2 by Colorimetry	0.31	mg/l	Max 0.50 mg/l	D 4	NUTRIENTS IN CLEAN WATER
Chloride as Cl- by Colorimetry	<1	mg/l	Max 250 mg/l	D <	NUTRIENTS IN CLEAN WATER
Phosphorus as P by ICPMS	<11	µg/l		D <	METALS & CATS IN CLEAN WATER
Fluoride as F by Ion-Selective Electrode	0.011	mg/l	Max 1.5 mg/l	D	FLUORIDE
Sulphate(Dissolved) as SO4 by ICPMS	<2.0	mg/l	Max 250.0 mg/l	D <	METALS & CATS IN CLEAN WATER

Comments

None

**OVERALL SAMPLE COMMENTS**

T&O BOTTLE CANCELLED AS SUBMITTED WITH HEADSPACE SO UNABLE TO ANALYSE - CJS 22JUN18

**KEY TO ABBREVIATIONS AND NOTES**

- 1 Time analysis started was 21-Jun-2018 17:15.
- 2 Time analysis started was 21-Jun-2018 17:17.
- 3 Time analysis started was 21-Jun-2018 16:45.
- 4 Analysis outside of sample stability
- 5 Result accepted because the failed QC was considered to be a marginal failure which would not significantly affect the result of the sample.
- \* Result fails the limit shown
- < Result less than reported value ie: is below the Limit of Detection for that method

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## KEY TO ABBREVIATIONS AND NOTES

- D Analysis is UKAS ISO1725 and DWTS accredited
- N Analysis is not accredited
- \$ Result associated with failed AQC

## 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 Coppin  
Laboratory Services Manager

*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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