# ANALYTICAL REPORT

| REPORT CODE | AR-26-NC-022963-01 | REPORT DATE | 09/07/2026 |
|---|---|---|---|

| | | | |
|---|---|---|---|
| **Contact for your orders:** | | **Order code:** | EUNZCH-00260193 |
| **Contract:** | Drinking Water | | |
| **Submission Reference:** | Veolia QT-Source-Physicochemical | **Purchase Order Number:** | 7300601954 |

| SAMPLE CODE | 817-2026-00060065 |
|---|---|
| **Product:** | Raw water |
| **Limits:** | |

| | | | |
|---|---|---|---|
| **Sampling Point code:** | Q_UWI_ARROWTOWN_RAW | **Sampling Point name:** | Arrowtown Source, S3 |
| **Reception Date & Time:** | 01/07/2026 15:04 | **Reception temperature:** | 1.4 °C |
| **Analysis Started on:** | 01/07/2026 | **Analysis Ending Date:** | 09/07/2026 |
| **Product Type** | Raw water | **Sampled Date & Time** | 01/07/2026 08:41 |
| **Sampler(s)** | | **Sampling Purpose** | Monitoring |
| **Sampled By Eurofins** | Yes | | |

| | | RESULTS | (UNCERTAINTY) | LOQ | SPECIFICATIONS |
|---|---|---|---|---|---|
| ②NW003 | **Total Alkalinity** | | | | |
| | Alkalinity total | 101 | (± 10) mg CaCO3/l | 1 | |
| ②NW007 | **Chloride** | | | | |
| | Chloride (Cl) | 1.51 | (± 0.15) mg/l | 0.02 | |
| ②NW010 | **Nitrate-N** | | | | |
| | Nitrate-N | 0.71 | (± 0.07) mg/l | 0.01 | |
| ②NW011 | **Sulphate** | | | | |
| | Sulphate | 11.2 | (± 1.12) mg/l | 0.02 | |
| ②NW030 | **Total Hardness** | | | | |
| | Hardness | 91 | (± 9) mg CaCO3/l | 1 | |
| ②NW148 | **Total Antimony** | | | | |
| | Antimony (Sb) | <0.002 | (± 0.003) mg/l | 0.002 | |
| ②NW149 | **Total Arsenic** | | | | |
| | Arsenic (As) | <0.002 | (± 0.003) mg/l | 0.002 | |
| ②NW150 | **Total Barium** | | | | |
| | Barium (Ba) | 0.010 | (± 0.003) mg/l | 0.005 | |
| ②NW154 | **Total Cadmium** | | | | |
| | Cadmium (Cd) | <0.001 | mg/l | 0.001 | |
| ②NW156 | **Total Calcium** | | | | |
| | Calcium (Ca) | 29.2 | (± 2.9) mg/l | 0.1 | |
| ②NW157 | **Total Chromium** | | | | |
| | Chromium (Cr) | <0.001 | (± 0.003) mg/l | 0.001 | |
| ②NW159 | **Total Copper** | | | | |

| | | RESULTS (UNCERTAINTY) | | LOQ | SPECIFICATIONS |
|---|---|---|---|---|---|
| ②NW159 | **Total Copper** | | | | |
| | Copper (Cu) | 0.004 | (± 0.003) mg/l | 0.002 | |
| ②NW160 | **Total Iron** | | | | |
| | Iron (Fe) | <0.1 | (± 0.0) mg/l | 0.1 | |
| ②NW161 | **Total Lead** | | | | |
| | Lead (Pb) | <0.001 | (± 0.003) mg/l | 0.001 | |
| ②NW163 | **Total Magnesium** | | | | |
| | Magnesium (Mg) | 4.3 | (± 0.4) mg/l | 0.1 | |
| ②NW164 | **Total Manganese** | | | | |
| | Manganese (Mn) | <0.001 | (± 0.003) mg/l | 0.001 | |
| ②NW165 | **Total Mercury** | | | | |
| | Mercury (Hg) | <0.001 | (± 0.003) mg/l | 0.001 | |
| ②NW167 | **Total Nickel** | | | | |
| | Nickel (Ni) | <0.001 | (± 0.003) mg/l | 0.001 | |
| ②NW171 | **Total Sodium** | | | | |
| | Sodium (Na) | 2.7 | (± 0.3) mg/l | 0.1 | |
| ②NW195 | **pH (Tested beyond 15 minute APHA holding time)** | | | | |
| | pH | 7.3 | (± 0.2) | 0.1 | |
| ②NW331 | **Colour** | | | | |
| | Colour | <5 | Colour unit | 5 | |
| ZMQTM | **Enumeration of Escherichia coli and Total Coliforms by Membrane Filtration** | | | | |
| | Escherichia coli | <1 | cfu/100 ml | 1 | |
| | Total Coliforms | <1 | cfu/100 ml | 1 | |

## LIST OF METHODS

| | | | |
|---|---|---|---|
| NW003 | **Total Alkalinity:** APHA 24th Edition 2320 B | NW007 | **Chloride:** APHA 24th Edition 4110 B |
| NW010 | **Nitrate-N:** APHA 24th Edition 4110 B | NW011 | **Sulphate:** APHA 24th Edition 4110 B |
| NW030 | **Total Hardness:** APHA 24th Edition 2340 B | NW148 | **Total Antimony:** APHA 24th Edition 3125 B mod. |
| NW149 | **Total Arsenic:** APHA 24th Edition 3125 B mod. | NW150 | **Total Barium:** APHA 24th Edition 3125 B mod. |
| NW154 | **Total Cadmium:** APHA 24th Edition 3125 B mod. | NW156 | **Total Calcium:** APHA 24th Edition 3125 B mod. |
| NW157 | **Total Chromium:** APHA 24th Edition 3125 B mod. | NW159 | **Total Copper:** APHA 24th Edition 3125 B mod. |
| NW160 | **Total Iron:** APHA 24th Edition 3125 B mod. | NW161 | **Total Lead:** APHA 24th Edition 3125 B mod. |
| NW163 | **Total Magnesium:** APHA 24th Edition 3125 B mod. | NW164 | **Total Manganese:** APHA 24th Edition 3125 B mod. |
| NW165 | **Total Mercury:** APHA 24th Edition 3125 B mod. | NW167 | **Total Nickel:** APHA 24th Edition 3125 B mod. |
| NW171 | **Total Sodium:** APHA 24th Edition 3125 B mod. | NW195 | **pH (Tested beyond 15 minute APHA holding time):** APHA 24th Edition 4500-H B |
| NW331 | **Colour:** APHA 24th Edition 2120 C | ZMQTM | **Escherichia coli-Total Coliforms E [QNT] <1 >80 cfu/100 ml (0) MI Agar-F:** SMEWW 9222K; APHA 24th Edition |

**EXPLANATORY NOTE**

①Test is not accredited
②Test is subcontracted within Eurofins group and is accredited
③Test is subcontracted within Eurofins group and is not accredited
④Test is subcontracted outside Eurofins group and is accredited
⑤Test is subcontracted outside Eurofins group and is not accredited
⑥Test result is provided by the customer and is not accredited
⑦Tested at the sampling point by Eurofins and is not accredited
⑧Tested at the sampling point by Eurofins and is accredited
⑨Test is RLP accredited
⑩Test is subcontracted within Eurofins group and is RLP accredited

**N/A** means Not Applicable
**Not Detected** means not detected at or above the Limit of Quantification (LOQ)
**LOQ** means Limit of Quantification and the unit of LOQ is the same as the result unit
✗ (Unsatisfactory) means does not meet the specification
✓(Satisfactory) means meets the specification
**MAV** means Maximum Allowable Value

This report applies exclusively to the samples provided by the Customer and does not represent the entire lot or batch from which the samples were drawn.
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Unless otherwise stated, all tests (except subcontracted tests) are performed at Unit 1/74 Glenda Drive, Frankton, Queenstown.

**END OF REPORT**