

# Food & Water Testing

## ANALYTICAL REPORT

REPORT CODE **AR-25-NC-025333-01** REPORT DATE **03/09/2025**

**Attention** Veolia Water Services (ANZ) Pty Ltd  
 NZ Queenstown Lab Results  
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**Copy to:** Franks (elizabeth.franks@veolia.com)

**Contact for your orders:** James Thornton  
**Contract:** Drinking Water

**Order code:** EUNZCH-00228025

**Purchase Order Number:** 7300492900

**SAMPLE CODE** **817-2025-00084343**

**Product:** Raw water  
**Sampling Point code:** ATH\_GLENORCHY\_RAW  
**Reception Date & Time:** 26/08/2025 12:29  
**Analysis Started on:** 26/08/2025  
**Product Type** Raw water  
**Sampler(s)** David Hoekendijk  
**Sampled By Eurofins** Yes

**Sampling Point name:** Glenorchy Source, S477  
**Reception temperature:** 2.9 °C  
**Analysis Ending Date:** 03/09/2025  
**Sampled Date & Time** 26/08/2025 08:57  
**Sampling Purpose** Monitoring

|                                | RESULTS (UNCERTAINTY)            | LOQ   | SPECIFICATIONS                            |
|--------------------------------|----------------------------------|-------|-------------------------------------------|
| <b>②NW003 Total Alkalinity</b> |                                  |       |                                           |
| Alkalinity total               | 67 (± 7) mg CaCO <sub>3</sub> /l | 1     |                                           |
| <b>②NW007 Chloride</b>         |                                  |       |                                           |
| Chloride (Cl)                  | 1.10 (± 0.11) mg/l               | 0.02  |                                           |
| <b>②NW010 Nitrate-N</b>        |                                  |       |                                           |
| Nitrate-N                      | 0.37 (± 0.04) mg/l               | 0.01  |                                           |
| <b>②NW011 Sulphate</b>         |                                  |       |                                           |
| Sulphate                       | 5.19 (± 0.52) mg/l               | 0.02  |                                           |
| <b>②NW030 Total Hardness</b>   |                                  |       |                                           |
| Hardness                       | 67 (± 7) mg CaCO <sub>3</sub> /l | 1     |                                           |
| <b>②NW148 Total Antimony</b>   |                                  |       |                                           |
| Antimony (Sb)                  | <0.002 (± 0.003) mg/l            | 0.002 | 50% MAV 0.01 mg/l ✓ Client Specification  |
| <b>②NW149 Total Arsenic</b>    |                                  |       |                                           |
| Arsenic (As)                   | 0.005 (± 0.003) mg/l             | 0.002 | 50% MAV 0.005 mg/l ✓ Client Specification |
| <b>②NW150 Total Barium</b>     |                                  |       |                                           |
| Barium (Ba)                    | <0.005 (± 0.003) mg/l            | 0.005 | 50% MAV 0.75 mg/l ✓ Client Specification  |
| <b>②NW154 Total Cadmium</b>    |                                  |       |                                           |
| Cadmium (Cd)                   | <0.001 (± 0.003) mg/l            | 0.001 | 50% MAV 0.002 mg/l ✓ Client Specification |
| <b>②NW156 Total Calcium</b>    |                                  |       |                                           |
| Calcium (Ca)                   | 24.7 (± 2.5) mg/l                | 0.1   |                                           |
| <b>②NW157 Total Chromium</b>   |                                  |       |                                           |
| Chromium (Cr)                  | <0.001 (± 0.003) mg/l            | 0.001 | 50% MAV 0.025 mg/l ✓ Client Specification |
| <b>②NW159 Total Copper</b>     |                                  |       |                                           |
| Copper (Cu)                    | 0.004 (± 0.003) mg/l             | 0.002 | 50% MAV 1.0 mg/l ✓ Client Specification   |
| <b>②NW160 Total Iron</b>       |                                  |       |                                           |

## Food & Water Testing

|                                                                                      | RESULTS (UNCERTAINTY) | LOQ   | SPECIFICATIONS                                     |
|--------------------------------------------------------------------------------------|-----------------------|-------|----------------------------------------------------|
| ②NW160 <b>Total Iron</b>                                                             |                       |       |                                                    |
| Iron (Fe)                                                                            | <0.1 (± 0.0) mg/l     | 0.1   |                                                    |
| ②NW161 <b>Total Lead</b>                                                             |                       |       |                                                    |
| Lead (Pb)                                                                            | <0.001 (± 0.003) mg/l | 0.001 | 50% MAV 0.005 mg/l ✓ Client Specification          |
| ②NW163 <b>Total Magnesium</b>                                                        |                       |       |                                                    |
| Magnesium (Mg)                                                                       | 1.2 (± 0.1) mg/l      | 0.1   |                                                    |
| ②NW164 <b>Total Manganese</b>                                                        |                       |       |                                                    |
| Manganese (Mn)                                                                       | <0.001 (± 0.003) mg/l | 0.001 |                                                    |
| ②NW165 <b>Total Mercury</b>                                                          |                       |       |                                                    |
| Mercury (Hg)                                                                         | <0.001 mg/l           | 0.001 | 50% MAV 0.0035 mg/l ✓ Client Specification         |
| ②NW167 <b>Total Nickel</b>                                                           |                       |       |                                                    |
| Nickel (Ni)                                                                          | 0.002 (± 0.003) mg/l  | 0.001 | 50% MAV 0.04 mg/l ✓ Client Specification           |
| ②NW171 <b>Total Sodium</b>                                                           |                       |       |                                                    |
| Sodium (Na)                                                                          | 2.0 (± 0.2) mg/l      | 0.1   |                                                    |
| ②NW331 <b>Colour</b>                                                                 |                       |       |                                                    |
| Colour                                                                               | <5 Colour unit        | 5     |                                                    |
| ZM2L7 <b>Enumeration (Colilert-18 51-Well) of Escherichia coli using Quanti-Tray</b> |                       |       |                                                    |
| Escherichia coli                                                                     | <1 MPN/100 ml         | 1     | Elevated E. Coli MPN/100 ml ✓ Client Specification |
| ZM2L9 <b>Enumeration (Colilert-18 51-Well) of Total Coliforms using Quanti-Tray</b>  |                       |       |                                                    |
| Total Coliforms                                                                      | <1 MPN/100 ml         | 1     |                                                    |

### LIST OF METHODS

|                                                                                                                  |                                                                                                                 |
|------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| NW003 <b>Total Alkalinity:</b> APHA Online Edition 2320 B                                                        | NW007 <b>Chloride:</b> APHA Online Edition 4110 B                                                               |
| NW010 <b>Nitrate-N:</b> APHA Online Edition 4110 B                                                               | NW011 <b>Sulphate:</b> APHA Online Edition 4110 B                                                               |
| NW030 <b>Total Hardness:</b> APHA Online Edition 2340 B                                                          | NW148 <b>Total Antimony:</b> APHA Online Edition 3125 B mod.                                                    |
| NW149 <b>Total Arsenic:</b> APHA Online Edition 3125 B mod.                                                      | NW150 <b>Total Barium:</b> APHA Online Edition 3125 B mod.                                                      |
| NW154 <b>Total Cadmium:</b> APHA Online Edition 3125 B mod.                                                      | NW156 <b>Total Calcium:</b> APHA Online Edition 3125 B mod.                                                     |
| NW157 <b>Total Chromium:</b> APHA Online Edition 3125 B mod.                                                     | NW159 <b>Total Copper:</b> APHA Online Edition 3125 B mod.                                                      |
| NW160 <b>Total Iron:</b> APHA Online Edition 3125 B mod.                                                         | NW161 <b>Total Lead:</b> APHA Online Edition 3125 B mod.                                                        |
| NW163 <b>Total Magnesium:</b> APHA Online Edition 3125 B mod.                                                    | NW164 <b>Total Manganese:</b> APHA Online Edition 3125 B mod.                                                   |
| NW165 <b>Total Mercury:</b> APHA Online Edition 3125 B mod.                                                      | NW167 <b>Total Nickel:</b> APHA Online Edition 3125 B mod.                                                      |
| NW171 <b>Total Sodium:</b> APHA Online Edition 3125 B mod.                                                       | NW331 <b>Colour:</b> APHA Online Edition 2120 C                                                                 |
| ZM2L7 <b>Escherichia coli E [QNT] &lt;1 &gt;201 MPN/100 ml (0) Colilert-18-Q:</b> SMEWW 9223B; APHA 24th Edition | ZM2L9 <b>Total Coliforms E [QNT] &lt;1 &gt;201 MPN/100 ml (0) Colilert-18-Q:</b> SMEWW 9223B; APHA 24th Edition |

Signature



Tomas Hais  
Field Technician Eurofins  
ELS Limited



David Hoekendijk  
Team Lead Eurofins ELS  
Limited

### EXPLANATORY NOTE

## Food & Water Testing

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

The Customer acknowledges and accepts that: (a) where Eurofins is not responsible for sampling, the test result(s) in this report apply only to the sample as received. Customer is solely responsible for the sampling process and warrants that the sample provided to Eurofins is representative of the lot / batch from which the samples were drawn; and (b) Eurofins expresses no opinion and accepts no liability in respect of the Customer's production process or homogeneity of the product.

The tests are identified by a five-digit code, their description is available on request.

Accreditation does not apply to comments or graphical representations.

Unless otherwise stated, all tests in this analytical report (except for subcontracted tests) are performed at Eurofins ELS Limited, Unit 1/74 Glenda Drive, Frankton, Queenstown.

The laboratory is not responsible for the information provided by the customer which can affect the validity of the results, for example: sampling information such as date/time, field data etc.

Eurofins may subcontract the performance of part or all of the Services to a third party and the Customer authorises the release of all information necessary to the third party for the provision of the Services.

All samples become the property of Eurofins to the extent necessary for the performance of the Services.

Eurofins will not be required to store samples and may destroy or otherwise dispose of the samples or return the samples to the Customer (at the Customer's cost in all respects) immediately following analysis of the samples.

If the Customer pays for storage of the samples Eurofins will take commercially reasonable steps to store the samples for the agreed period in terms of industry practice.

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### END OF REPORT