

## Food &amp; Water Testing

## ANALYTICAL REPORT

REPORT CODE

AR-25-NC-025334-01

REPORT DATE

03/09/2025

**Attention** Veolia Water Services (ANZ) Pty Ltd  
NZ Queenstown Lab Results  
74 Glenda Drive  
Frankton  
9300 Queenstown  
NEW ZEALAND

**Phone** 03 450 9240

**Email** nz.queenstown.lab-results.all.groups@veolia.com

**Copy to:** Braggins (ben.braggins@hampshireholidays.nz), Craggs (simon.craggs@hhp.nz)

**Contact for your orders:** James Thornton  
**Contract:** Drinking Water - Glendhu Bay

**Order code:** EUNZCH-00228068

**Purchase Order Number:** 7300492900

**SAMPLE CODE** 817-2025-00084439

**Product:** Raw water  
**Sampling Point code:** Q\_UWI\_GLENDU\_RAW  
**Reception Date & Time:** 26/08/2025 15:01  
**Analysis Started on:** 26/08/2025  
**Product Type** Raw water  
**Sampler(s)** Tomas Hais  
**Sampled By Eurofins** Yes

**Sampling Point name:** Glendhu Bay Source, S2050  
**Reception temperature:** 3.1 °C  
**Analysis Ending Date:** 03/09/2025  
**Sampled Date & Time** 26/08/2025 09:41  
**Sampling Purpose** Monitoring

## RESULTS (UNCERTAINTY)

## LOQ

## SPECIFICATIONS

|        |                         |        |                                  |       |                    |                        |
|--------|-------------------------|--------|----------------------------------|-------|--------------------|------------------------|
| ②NW003 | <b>Total Alkalinity</b> |        |                                  |       |                    |                        |
|        | Alkalinity total        | 32     | (± 3) mg<br>CaCO <sub>3</sub> /l | 1     |                    |                        |
| ②NW007 | <b>Chloride</b>         |        |                                  |       |                    |                        |
|        | Chloride (Cl)           | 1.83   | (± 0.18) mg/l                    | 0.02  |                    |                        |
| ②NW010 | <b>Nitrate-N</b>        |        |                                  |       |                    |                        |
|        | Nitrate-N               | 0.02   | (± 0.00) mg/l                    | 0.01  |                    |                        |
| ②NW011 | <b>Sulphate</b>         |        |                                  |       |                    |                        |
|        | Sulphate                | 2.86   | (± 0.29) mg/l                    | 0.02  |                    |                        |
| ②NW030 | <b>Total Hardness</b>   |        |                                  |       |                    |                        |
|        | Hardness                | 29     | (± 3) mg<br>CaCO <sub>3</sub> /l | 1     |                    |                        |
| ②NW148 | <b>Total Antimony</b>   |        |                                  |       |                    |                        |
|        | Antimony (Sb)           | <0.002 | mg/l                             | 0.002 | 50% MAV 0.01 mg/l  | ✓ Client Specification |
| ②NW149 | <b>Total Arsenic</b>    |        |                                  |       |                    |                        |
|        | Arsenic (As)            | <0.002 | (± 0.003) mg/l                   | 0.002 | 50% MAV 0.005 mg/l | ✓ Client Specification |
| ②NW150 | <b>Total Barium</b>     |        |                                  |       |                    |                        |
|        | Barium (Ba)             | <0.005 | (± 0.003) mg/l                   | 0.005 | 50% MAV 0.75 mg/l  | ✓ Client Specification |
| ②NW154 | <b>Total Cadmium</b>    |        |                                  |       |                    |                        |
|        | Cadmium (Cd)            | <0.001 | (± 0.003) mg/l                   | 0.001 | 50% MAV 0.002 mg/l | ✓ Client Specification |
| ②NW156 | <b>Total Calcium</b>    |        |                                  |       |                    |                        |
|        | Calcium (Ca)            | 10.3   | (± 1.0) mg/l                     | 0.1   |                    |                        |
| ②NW157 | <b>Total Chromium</b>   |        |                                  |       |                    |                        |
|        | Chromium (Cr)           | <0.001 | (± 0.003) mg/l                   | 0.001 | 50% MAV 0.025 mg/l | ✓ Client Specification |
| ②NW159 | <b>Total Copper</b>     |        |                                  |       |                    |                        |
|        | Copper (Cu)             | 0.003  | (± 0.003) mg/l                   | 0.002 | 50% MAV 1.0 mg/l   | ✓ Client Specification |
| ②NW160 | <b>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)                                                                       | 0.7                   | (± 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                                              |
| ②NW177 <b>Total Zinc</b>                                                             |                       |                |                                                  |
| Zinc (Zn)                                                                            | 0.007                 | (± 0.003) mg/l | 0.005                                            |
| 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                                                |
| 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.                                                                | NW177 <b>Total Zinc:</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)</b><br><b>Colilert-18-Q:</b> SMEWW 9223B; APHA 24th Edition |
| ZM2L9 <b>Total Coliforms E [QNT] &lt;1 &gt;201 MPN/100 ml (0)</b><br><b>Colilert-18-Q:</b> SMEWW 9223B; APHA 24th Edition |                                                                                                                            |

Signature



Tomas Hais

Field Technician Eurofins  
ELS Limited



David Hoekendijk

Team Lead Eurofins ELS  
Limited

## Food & Water Testing

### EXPLANATORY NOTE

- 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.

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