

Food & Water Testing

ANALYTICAL REPORT

 REPORT CODE **AR-24-NC-027736-01** REPORT DATE **10/09/2024**

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

Contact for your orders: James Thornton **Order code:** EUNZCH-00189839
Contract: Drinking Water **Purchase Order Number:** 7300396221

SAMPLE CODE 817-2024-00103898

Product: Raw water
Sampling Point code: NC0001572008 **Sampling Point name:** Lake Hayes Water Bore, G00312
Reception Date & Time: 03/09/2024 12:26
Analysis Started on: 03/09/2024 **Analysis Ending Date:** 10/09/2024
Product Type: Raw water **Sampled Date & Time:** 03/09/2024 11:37
Sampler(s): Francisco Cabanas **Sampling Purpose:** Monitoring
Sampled By Eurofins: Yes

RESULTS (UNCERTAINTY) LOQ SPECIFICATIONS

| | | | | | |
|--------------------------------|------------------|--------|-------------------------|-------|---|
| ②NW007 Chloride | Chloride (Cl) | 3.99 | (± 0.40) mg/l | 0.02 | |
| ②NW011 Sulphate | Sulphate | 11.0 | (± 1.10) mg/l | 0.02 | |
| ②NW003 Total Alkalinity | Alkalinity total | 95 | mg CaCO ₃ /l | 1 | |
| ②NW148 Total Antimony | Antimony (Sb) | <0.002 | mg/l | 0.002 | 50% MAV 0.01 mg/l ✓ Client Specification |
| ②NW149 Total Arsenic | Arsenic (As) | 0.004 | mg/l | 0.002 | 50% MAV 0.005 mg/l ✓ Client Specification |
| ②NW150 Total Barium | Barium (Ba) | <0.005 | mg/l | 0.005 | 50% MAV 0.75 mg/l ✓ Client Specification |
| ②NW154 Total Cadmium | Cadmium (Cd) | <0.001 | mg/l | 0.001 | 50% MAV 0.002 mg/l ✓ Client Specification |
| ②NW156 Total Calcium | Calcium (Ca) | 30.5 | mg/l | 0.1 | |
| ②NW157 Total Chromium | Chromium (Cr) | <0.001 | mg/l | 0.001 | 50% MAV 0.025 mg/l ✓ Client Specification |
| ②NW159 Total Copper | Copper (Cu) | 0.003 | mg/l | 0.002 | 50% MAV 1.0 mg/l ✓ Client Specification |
| ②NW030 Total Hardness | Hardness | 80 | mg CaCO ₃ /l | 1 | |
| ②NW161 Total Lead | Lead (Pb) | <0.001 | mg/l | 0.001 | 50% MAV 0.005 mg/l ✓ Client Specification |
| ②NW163 Total Magnesium | Magnesium (Mg) | 0.8 | mg/l | 0.1 | |

Food & Water Testing

| | RESULTS (UNCERTAINTY) | | LOQ | SPECIFICATIONS | |
|---|-----------------------|------|-------|---------------------|------------------------|
| ②NW165 Total Mercury Mercury (Hg) | <0.001 | mg/l | 0.001 | 50% MAV 0.0035 mg/l | ✓ Client Specification |
| ②NW167 Total Nickel Nickel (Ni) | <0.001 | mg/l | 0.001 | 50% MAV 0.04 mg/l | ✓ Client Specification |
| ②NW171 Total Sodium Sodium (Na) | 2.7 | mg/l | 0.1 | | |

| SAMPLE CODE | 817-2024-00103900 | | | | |
|-----------------------------------|-------------------|--|--------------------------------|------------------------|--|
| Product: | Raw water | | Sampling Point name: | Glenorchy Source, S477 | |
| Sampling Point code: | ATH_GLENORCHY_RAW | | Analysis Ending Date: | 10/09/2024 | |
| Reception Date & Time: | 03/09/2024 12:27 | | Sampled Date & Time | 03/09/2024 09:38 | |
| Analysis Started on: | 03/09/2024 | | Sampling Purpose | Monitoring | |
| Product Type | Raw water | | | | |
| Sampler(s) | Francisco Cabanas | | | | |
| Sampled By Eurofins | Yes | | | | |

| | RESULTS (UNCERTAINTY) | | LOQ | SPECIFICATIONS | |
|--|-----------------------|---------------|-------|---------------------|------------------------|
| ②NW007 Chloride Chloride (Cl) | 0.70 | (± 0.07) mg/l | 0.02 | | |
| ②NW011 Sulphate Sulphate | 5.89 | (± 0.59) mg/l | 0.02 | | |
| ②NW003 Total Alkalinity Alkalinity total | 49 | mg CaCO3/l | 1 | | |
| ②NW148 Total Antimony Antimony (Sb) | <0.002 | mg/l | 0.002 | 50% MAV 0.01 mg/l | ✓ Client Specification |
| ②NW149 Total Arsenic Arsenic (As) | <0.002 | mg/l | 0.002 | 50% MAV 0.005 mg/l | ✓ Client Specification |
| ②NW150 Total Barium Barium (Ba) | <0.005 | mg/l | 0.005 | 50% MAV 0.75 mg/l | ✓ Client Specification |
| ②NW154 Total Cadmium Cadmium (Cd) | <0.001 | mg/l | 0.001 | 50% MAV 0.002 mg/l | ✓ Client Specification |
| ②NW156 Total Calcium Calcium (Ca) | 35.6 | mg/l | 0.1 | | |
| ②NW157 Total Chromium Chromium (Cr) | <0.001 | mg/l | 0.001 | 50% MAV 0.025 mg/l | ✓ Client Specification |
| ②NW159 Total Copper Copper (Cu) | 0.011 | mg/l | 0.002 | 50% MAV 1.0 mg/l | ✓ Client Specification |
| ②NW030 Total Hardness Hardness | 102 | mg CaCO3/l | 1 | | |
| ②NW161 Total Lead Lead (Pb) | <0.001 | mg/l | 0.001 | 50% MAV 0.005 mg/l | ✓ Client Specification |
| ②NW163 Total Magnesium Magnesium (Mg) | 3.3 | mg/l | 0.1 | | |
| ②NW165 Total Mercury Mercury (Hg) | <0.001 | mg/l | 0.001 | 50% MAV 0.0035 mg/l | ✓ Client Specification |
| ②NW167 Total Nickel Nickel (Ni) | <0.001 | mg/l | 0.001 | 50% MAV 0.04 mg/l | ✓ Client Specification |
| ②NW171 Total Sodium Sodium (Na) | 5.1 | mg/l | 0.1 | | |

Food & Water Testing

RESULTS (UNCERTAINTY) LOQ SPECIFICATIONS

LIST OF METHODS

| | |
|---|--|
| <p>NW003 Total Alkalinity: APHA Online Edition 2320 B</p> <p>NW011 Sulphate: APHA Online Edition 4110 B</p> <p>NW148 Total Antimony: APHA Online Edition 3125 B mod.</p> <p>NW150 Total Barium: APHA Online Edition 3125 B mod.</p> <p>NW156 Total Calcium: APHA Online Edition 3125 B mod.</p> <p>NW159 Total Copper: APHA Online Edition 3125 B mod.</p> <p>NW163 Total Magnesium: APHA Online Edition 3125 B mod.</p> <p>NW167 Total Nickel: APHA Online Edition 3125 B mod.</p> | <p>NW007 Chloride: APHA Online Edition 4110 B</p> <p>NW030 Total Hardness: APHA Online Edition 2340 B</p> <p>NW149 Total Arsenic: APHA Online Edition 3125 B mod.</p> <p>NW154 Total Cadmium: APHA Online Edition 3125 B mod.</p> <p>NW157 Total Chromium: APHA Online Edition 3125 B mod.</p> <p>NW161 Total Lead: APHA Online Edition 3125 B mod.</p> <p>NW165 Total Mercury: APHA Online Edition 3125 B mod.</p> <p>NW171 Total Sodium: APHA Online Edition 3125 B mod.</p> |
|---|--|

Signature



David Hoekendijk Team Lead KTP

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

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.

This document can only be reproduced in full.

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 43 Detroit Drive, Rolleston, Christchurch, NEW ZEALAND.

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.

The Eurofins water sampling service follows methodology based on AS/NZS 5667 and / or best practice to collect and transport samples that are fit for the purpose of analytical testing. The laboratory is not responsible for sampling activities unless explicitly indicated by the statement "Sampled by Eurofins" on the report for water samples.

The Customer acknowledges that the Services are provided using the current state of technology and methods developed and generally applied by Eurofins and involve analysis, interpretations, consulting work and conclusions. Eurofins shall use commercially reasonable degree of care in providing the Services.

This report is produced and issued on the basis of information, documents and/or samples provided by, or on behalf of, the Customer and solely for the benefit of the Customer who is responsible for acting as it sees fit on the basis of this report. Neither Eurofins nor any of its officers, employees, agents or subcontractors shall be liable to the Customer nor any third party for any actions taken or not taken on the basis of this report nor for any incorrect results arising from unclear, erroneous, incomplete, misleading or false information provided to Eurofins.

Eurofins shall have no liability for any indirect or consequential loss including, without limitation, loss of production, loss of contracts, loss of profits, loss of business or costs incurred from business interruption, loss of opportunity, loss of goodwill or damage to reputation and cost of product recall (including any losses suffered as a result of distribution of the Customer's products subject of the Services prior to the report being released by Eurofins). It shall further have no liability for any loss, damage or expenses arising from the claims of any third party (including, without limitation, product liability claims) that may be incurred by the Customer.

Eurofins General Terms and Conditions apply.

END OF REPORT