

Food & Water Testing

ANALYTICAL REPORT

REPORT CODE **AR-24-NC-029522-02 #** REPORT DATE **01/10/2024**

This amended report supersedes Analytical Report number AR-24-NC-029522-01, dated 26/09/2024.

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-00189712
Contract: Drinking Water **Purchase Order Number:** 7300396221

Comments: Drinking water limits added to sample 817-2024-00103413

SAMPLE CODE **817-2024-00103413**

Product:	Raw water	Sampling Point name:	Shotover Bore Raw, G02144
Sampling Point code:	NC0001572045	Analysis Ending Date:	26/09/2024
Reception Date & Time:	02/09/2024 14:25	Sampled Date & Time	02/09/2024 13:48
Analysis Started on:	02/09/2024	Sampling Purpose	Monitoring
Product Type	Raw water		
Sampler(s)	Tomas Hais		
Sampled By Eurofins	Yes		

	RESULTS (UNCERTAINTY)	LOQ	SPECIFICATIONS
②NW007 Chloride Chloride (Cl)	0.67 (± 0.07) mg/l	0.02	
②NW011 Sulphate Sulphate	6.04 (± 0.60) mg/l	0.02	
②NW003 Total Alkalinity Alkalinity total	53 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)	0.003 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)	19.2 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)	<0.002 mg/l	0.002	50% MAV 1.0 mg/l ✓ Client Specification
②NW030 Total Hardness Hardness	52 mg CaCO3/l	1	
②NW161 Total Lead Lead (Pb)	0.002 mg/l	0.001	50% MAV 0.005 mg/l ✓ Client Specification

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	RESULTS (UNCERTAINTY)	LOQ	SPECIFICATIONS
②NW163 Total Magnesium Magnesium (Mg)	1.1 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)	1.0 mg/l	0.1	

SAMPLE CODE **817-2024-00103415**

Product:	Raw water	Sampling Point name:	Two Mile Source, S94
Sampling Point code:	UWI_2MILE_RAW	Analysis Ending Date:	26/09/2024
Reception Date & Time:	02/09/2024 14:25	Sampled Date & Time	02/09/2024 11:03
Analysis Started on:	02/09/2024	Sampling Purpose	Monitoring
Product Type	Raw water		
Sampler(s)	Tomas Hais		
Sampled By Eurofins	Yes		

	RESULTS (UNCERTAINTY)	LOQ	SPECIFICATIONS
②NW007 Chloride Chloride (Cl)	0.71 (± 0.07) mg/l	0.02	
②NW011 Sulphate Sulphate	4.17 (± 0.42) mg/l	0.02	
②NW003 Total Alkalinity Alkalinity total	17 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)	8.1 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)	<0.002 mg/l	0.002	50% MAV 1.0 mg/l ✓ Client Specification
②NW030 Total Hardness Hardness	22 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)	0.5 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

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	RESULTS (UNCERTAINTY)	LOQ	SPECIFICATIONS
②NW171 Total Sodium Sodium (Na)	1.0	mg/l	0.1

SAMPLE CODE	817-2024-00103419
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Product:	Raw water	
Sampling Point code:	Q_UWI_ARROWTOWN_RAW	Sampling Point name: Arrowtown Source, S3
Reception Date & Time:	02/09/2024 14:31	
Analysis Started on:	02/09/2024	Analysis Ending Date: 26/09/2024
Product Type	Raw water	Sampled Date & Time 02/09/2024 09:16
Sampler(s)	Tomas Hais	Sampling Purpose Monitoring
Sampled By Eurofins	Yes	

	RESULTS (UNCERTAINTY)	LOQ	SPECIFICATIONS	
②NW007 Chloride Chloride (Cl)	1.01	(± 0.10) mg/l	0.02	
②NW011 Sulphate Sulphate	5.53	(± 0.55) mg/l	0.02	
②NW003 Total Alkalinity Alkalinity total	64	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)	0.007	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)	21.7	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)	0.002	mg/l	0.002	50% MAV 1.0 mg/l ✓ Client Specification
②NW030 Total Hardness Hardness	67	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)	3.0	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)	2.6	mg/l	0.1	

LIST OF METHODS	
NW003 Total Alkalinity: APHA Online Edition 2320 B	NW007 Chloride: APHA Online Edition 4110 B

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NW011 Sulphate: APHA Online Edition 4110 B NW148 Total Antimony: APHA Online Edition 3125 B mod. NW150 Total Barium: APHA Online Edition 3125 B mod. NW156 Total Calcium: APHA Online Edition 3125 B mod. NW159 Total Copper: APHA Online Edition 3125 B mod. NW163 Total Magnesium: APHA Online Edition 3125 B mod. NW167 Total Nickel: APHA Online Edition 3125 B mod.	NW030 Total Hardness: APHA Online Edition 2340 B NW149 Total Arsenic: APHA Online Edition 3125 B mod. NW154 Total Cadmium: APHA Online Edition 3125 B mod. NW157 Total Chromium: APHA Online Edition 3125 B mod. NW161 Total Lead: APHA Online Edition 3125 B mod. NW165 Total Mercury: APHA Online Edition 3125 B mod. NW171 Total Sodium: APHA Online Edition 3125 B mod.
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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.

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END OF REPORT