

Food & Water Testing

ANALYTICAL REPORT

REPORT CODE	AR-25-NC-016609-01	REPORT DATE	11/06/2025
-------------	---------------------------	-------------	-------------------

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: QLDC Lab Results (lab.results@qldc.govt.nz), [REDACTED]

Contact for your orders: James Thornton	Order code: EUNZCH-00219717
Contract: Shotover WWTP Monthly + Bores	
Submission Reference: Shotover WWTP Week 1	Purchase Order Number: 7300447034
Order Comment: bore 2 filled in and bore 5 is ground/mud	

SAMPLE CODE **817-2025-00057028**

Sampling Point code: NC0001572018	Sampling Point name: Shotover WWTP Effluent + Grab
Reception Date & Time: 05/06/2025 14:17	Reception temperature: 5.6 °C
Analysis Started on: 06/06/2025	Analysis Ending Date: 11/06/2025
Product Type Effluent (waste)	Sampled Date & Time 05/06/2025 13:05
Sampler(s) [REDACTED]	Sampling Purpose Monitoring

RESULTS

LOQ

SPECIFICATIONS

*NCOAK	Ammoniacal Nitrogen by Discrete Analyser			
	Ammonia nitrogen	9.26	mg/l	0.01
*NC03N	Carbonaceous Biochemical Oxygen Demand in Water by DO Meter			
	Carbonaceous Biochemical Oxygen Demand	14.2	mg/l	2
				consent limit of 30 mg/l ✓ Client Specification
*ZMJU9	Enumeration of Escherichia coli by Membrane Filtration			
	Escherichia coli	10	cfu/100 ml	10
				consent limit of 260 cfu/100 ml ✓ Client Specification
*NC03R	Nitrate-Nitrogen in Water by Discrete Analyser Calculation (Trace)			
	Nitrate nitrogen	2.92	mg/l	0.01
*NC05B	Total Biochemical Oxygen Demand (TBOD 5 Days) by Electrode			
	Biochemical oxygen demand (BOD)	15	mg/l	2
*NC03M	Total Nitrogen in Water by Discrete Analyser (Trace)			
	Total Nitrogen (N)	14.8	mg/l	0.01
				consent limit of 23 mg/l ✓ Client Specification
*NC76G	Total Phosphorus in Water by Discrete Analyser (Trace)			
	Total phosphorus	1.98	mg/l	0.01
*NCOAE	Total Suspended Solids in Water by Gravimetry			
	Suspended Solids	19.0	mg/l	2.5
				consent limit of 30 mg/l ✓ Client Specification

SAMPLE CODE **817-2025-00057029**

Sampling Point code: NC0001572019	Sampling Point name: Shotover WWTP Bore 1
Reception Date & Time: 05/06/2025 14:17	Reception temperature: 5.6 °C
Analysis Started on: 05/06/2025	Analysis Ending Date: 10/06/2025
Product Type Ground water, raw water	Sampled Date & Time 05/06/2025 12:56
Sampler(s) [REDACTED]	Sampling Purpose Monitoring

RESULTS

LOQ

***NCOAK Ammoniacal Nitrogen by Discrete Analyser**

Eurofins ELS Limited
 43 Detroit Drive
 Rolleston
 Christchurch 7614
 NEW ZEALAND

Eurofins ELS Limited
 Unit 1/74 Glenda Drive
 Frankton
 Queenstown 9300
 NEW ZEALAND

Phone (Christchurch) +64 3 343 5227
Phone (Queenstown)
www.eurofins.co.nz



Food & Water Testing

	RESULTS			LOQ
Ⓢ*NC0AK	Ammoniacal Nitrogen by Discrete Analyser			
	Ammonia nitrogen	0.15	mg/l	0.01
*ZMJGR	Enumeration of Escherichia coli by Membrane Filtration			
	Escherichia coli	<1	cfu/100 ml	1
*NC03R	Nitrate-Nitrogen in Water by Discrete Analyser Calculation (Trace)			
	Nitrate nitrogen	0.07	mg/l	0.01
ⓈNC04Q	Piezometer Level			
	Water Level	4.04	m	0.005
*NC03M	Total Nitrogen in Water by Discrete Analyser (Trace)			
	Total Nitrogen (N)	0.45	mg/l	0.01
*NC76G	Total Phosphorus in Water by Discrete Analyser (Trace)			
	Total phosphorus	0.18	mg/l	0.01

SAMPLE CODE	817-2025-00057031		
Sampling Point code:	NC0001572021	Sampling Point name:	Shotover WWTP Bore 3
Reception Date & Time:	05/06/2025 14:17	Reception temperature:	5.6 °C
Analysis Started on:	06/06/2025	Analysis Ending Date:	10/06/2025
Product Type	Ground water, raw water	Sampled Date & Time	05/06/2025 12:47
Sampler(s)	██████████	Sampling Purpose	Monitoring

	RESULTS			LOQ
Ⓢ*NC0AK	Ammoniacal Nitrogen by Discrete Analyser			
	Ammonia nitrogen	6.88	mg/l	0.01
*ZMJGR	Enumeration of Escherichia coli by Membrane Filtration			
	Escherichia coli	<1	cfu/100 ml	1
*NC03R	Nitrate-Nitrogen in Water by Discrete Analyser Calculation (Trace)			
	Nitrate nitrogen	3.49	mg/l	0.01
*NC03M	Total Nitrogen in Water by Discrete Analyser (Trace)			
	Total Nitrogen (N)	10.7	mg/l	0.01
*NC76G	Total Phosphorus in Water by Discrete Analyser (Trace)			
	Total phosphorus	1.25	mg/l	0.01

SAMPLE CODE	817-2025-00057032		
Sampling Point code:	NC0001572022	Sampling Point name:	Shotover WWTP Bore 4
Reception Date & Time:	05/06/2025 14:17	Reception temperature:	5.6 °C
Analysis Started on:	06/06/2025	Analysis Ending Date:	10/06/2025
Product Type	Ground water, raw water	Sampled Date & Time	05/06/2025 12:39
Sampler(s)	██████████	Sampling Purpose	Monitoring

	RESULTS			LOQ
Ⓢ*NC0AK	Ammoniacal Nitrogen by Discrete Analyser			
	Ammonia nitrogen	6.21	mg/l	0.01
*ZMJGR	Enumeration of Escherichia coli by Membrane Filtration			
	Escherichia coli	<1	cfu/100 ml	1
*NC03R	Nitrate-Nitrogen in Water by Discrete Analyser Calculation (Trace)			
	Nitrate nitrogen	0.11	mg/l	0.01
*NC03M	Total Nitrogen in Water by Discrete Analyser (Trace)			
	Total Nitrogen (N)	6.48	mg/l	0.01
*NC76G	Total Phosphorus in Water by Discrete Analyser (Trace)			
	Total phosphorus	3.38	mg/l	0.01

Food & Water Testing

RESULTS

LOQ

SAMPLE CODE 817-2025-00057034

Sampling Point code: NC0001572024
Reception Date & Time: 05/06/2025 14:17
Analysis Started on: 06/06/2025
Product Type Ground water, raw water
Sampler(s) ██████████

Sampling Point name: Shotover WWTP Bore 6
Reception temperature: 5.6 °C
Analysis Ending Date: 10/06/2025
Sampled Date & Time 05/06/2025 12:15
Sampling Purpose Monitoring

RESULTS

LOQ

*NCOAK Ammoniacal Nitrogen by Discrete Analyser			
Ammonia nitrogen	1.47	mg/l	0.01
*ZMJGR Enumeration of Escherichia coli by Membrane Filtration			
Escherichia coli	<1	cfu/100 ml	1
*NC03R Nitrate-Nitrogen in Water by Discrete Analyser Calculation (Trace)			
Nitrate nitrogen	6.51	mg/l	0.01
*NC03M Total Nitrogen in Water by Discrete Analyser (Trace)			
Total Nitrogen (N)	8.81	mg/l	0.01
*NC76G Total Phosphorus in Water by Discrete Analyser (Trace)			
Total phosphorus	1.26	mg/l	0.01

SAMPLE CODE 817-2025-00057035

Sampling Point code: NC0001572025
Reception Date & Time: 05/06/2025 14:17
Analysis Started on: 06/06/2025
Product Type Ground water, raw water
Sampler(s) ██████████

Sampling Point name: Shotover WWTP Bore 7
Reception temperature: 5.6 °C
Analysis Ending Date: 10/06/2025
Sampled Date & Time 05/06/2025 12:30
Sampling Purpose Monitoring

RESULTS

LOQ

*NCOAK Ammoniacal Nitrogen by Discrete Analyser			
Ammonia nitrogen	12.1	mg/l	0.01
*ZMJGR Enumeration of Escherichia coli by Membrane Filtration			
Escherichia coli	<1	cfu/100 ml	1
*NC03R Nitrate-Nitrogen in Water by Discrete Analyser Calculation (Trace)			
Nitrate nitrogen	0.39	mg/l	0.01
*NC03M Total Nitrogen in Water by Discrete Analyser (Trace)			
Total Nitrogen (N)	13.0	mg/l	0.01
*NC76G Total Phosphorus in Water by Discrete Analyser (Trace)			
Total phosphorus	1.63	mg/l	0.01

SAMPLE CODE 817-2025-00057036

Sampling Point code: NC0001572026
Reception Date & Time: 05/06/2025 14:17
Analysis Started on: 05/06/2025
Product Type Ground water, raw water
Sampler(s) ██████████

Sampling Point name: Shotover WWTP Bore 8
Reception temperature: 5.6 °C
Analysis Ending Date: 10/06/2025
Sampled Date & Time 05/06/2025 12:21
Sampling Purpose Monitoring

RESULTS

LOQ

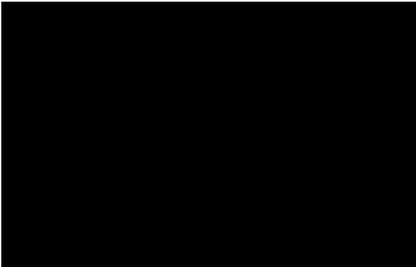
*NCOAK Ammoniacal Nitrogen by Discrete Analyser			
Ammonia nitrogen	8.11	mg/l	0.01
*ZMJGR Enumeration of Escherichia coli by Membrane Filtration			
Escherichia coli	1	cfu/100 ml	1

Food & Water Testing

	RESULTS		LOQ
*NC03R	Nitrate-Nitrogen in Water by Discrete Analyser Calculation (Trace) Nitrate nitrogen	5.90	mg/l
			0.01
⑦NC04Q	Piezometer Level Water Level	3.76	m
			0.005
*NC03M	Total Nitrogen in Water by Discrete Analyser (Trace) Total Nitrogen (N)	14.8	mg/l
			0.01
*NC76G	Total Phosphorus in Water by Discrete Analyser (Trace) Total phosphorus	0.84	mg/l
			0.01

LIST OF METHODS			
NC03M	Total Nitrogen in Water by Discrete Analyser (Trace): APHA Online Edition 4500-P J/4500-NH	NC03N	Carbonaceous Biochemical Oxygen Demand in Water by DO Meter: APHA Online Edition 5210 B
NC03R	Nitrate-Nitrogen in Water by Discrete Analyser Calculation (Trace): Calculated, Calculation [(Nitrate N + Nitrite N) Nitrite N]	NC04Q	Piezometer Level: Internal Method, Performance test
NC05B	Total Biochemical Oxygen Demand (TBOD 5 Days) by Electrode: APHA Online Edition 5210 B	NC0AE	Total Suspended Solids in Water by Gravimetry: APHA Online Edition 2540 D
NC0AK	Ammoniacal Nitrogen by Discrete Analyser: ISBN 0117516139 mod	NC76G	Total Phosphorus in Water by Discrete Analyser (Trace): APHA Online Edition 4500 P B/J mod
ZMJGR	Escherichia coli E [IVC] <1 >80 cfu/100 ml (0) mTEC Agar-F: US-EPA 1603:2014	ZMJU9	Escherichia coli E [IVC] <10 >80 000 cfu/100 ml (0-1) mTEC Agar-F: US-EPA 1603:2014

Signature



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

*Test was performed at Eurofins ELS Limited, Unit 1/74 Glenda Drive, Frankton, Queenstown



Food & Water Testing

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 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. The Customer shall not alter any report or other Output provided to the Customer by Eurofins or misrepresent the contents of such Outputs in any way. The Customer shall be entitled to make copies for its internal purposes only. The Customer may only reproduce or publish any report or document provided to the Customer by Eurofins in full without alteration. Eurofins' name, logo or service marks, or any other means of identification cannot be used in any publication by the Customer, unless the Customer has obtained the prior written consent of 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

**EUROFINS ELS LIMITED IS A MINISTRY FOR PRIMARY INDUSTRIES
RECOGNISED LABORATORY UNDER SECTION 101 OF THE ANIMAL PRODUCTS ACT:1999.**