EUNZCH-00222872

Client Specification

14/07/2025

Copy to: QLDC Lab Results (lab.results@gldc.govt.nz), Lado



REPORT CODE

Sampling Purpose

Oxygen Demand

Food & Water Testing

AR-25-NC-020003-01

ANALYTICAL REPORT

REPORT DATE

Order code:

Attention Veolia Water Services (ANZ) Ptv Ltd

NZ Queenstown Lab Results

74 Glenda Drive

Frankton

9300 Queenstown **NEW ZEALAND**

03 450 9240 Phone

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

Contact for your orders: James Thornton

Contract: Shotover WWTP Monthly + Bores

Submission Reference: Shotover Bores + WWTP **Purchase Order Number:** 7300473792

SAMPLE CODE 817-2025-00067186

NC0001572018 Shotover WWTP Effluent + Grab Sampling Point name: Sampling Point code:

Reception Date & Time: 07/07/2025 14:08 Reception temperature: 3.5 °C **Analysis Started on:** 08/07/2025 **Analysis Ending Date:** 14/07/2025

Sampled Date & Time 07/07/2025 13:35 Sampler(s)

RESULTS LOQ **SPECIFICATIONS**

Monitoring

Ammonia nitrogen 0.01 mg/l

*NC03N Carbonaceous Biochemical Oxygen Demand in Water by DO Meter

Carbonaceous Biochemical 19.3

*ZMJU9 Enumeration of Escherichia coli by Membrane Filtration

consent limit of 260 ✓ Client Specification Escherichia coli 100 cfu/100 ml 10

cfu/100 ml

consent limit of 30 mg/l ✓

*NCO3R Nitrate-Nitrogen in Water by Discrete Analyser Calculation (Trace)

Nitrate nitrogen 4.13

*NC05B Total Biochemical Oxygen Demand (TBOD 5 Days) by Electrode

Biochemical oxygen demand mg/l

*NCO3M Total Nitrogen in Water by Discrete Analyser (Trace)

consent limit of 23 mg/l ✓ Client Specification Total Nitrogen (N) 16.9 0.01

*NC76G Total Phosphorus in Water by Discrete Analyser (Trace)

Total phosphorus 2 48 0.01

*NCOAE Total Suspended Solids in Water by Gravimetry

consent limit of 30 mg/l X Client Specification Suspended Solids 49.5 2.5

SAMPLE CODE 817-2025-00067187

Sampling Point code: NC0001572019 Shotover WWTP Bore 1 Sampling Point name:

07/07/2025 14:08 Reception temperature: 3.5 °C Reception Date & Time: Analysis Started on: 08/07/2025 **Analysis Ending Date:** 10/07/2025

Sampled Date & Time Sampler(s)

07/07/2025 13:00 Sampling Purpose Monitoring

RESULTS LOQ

®NCOAK Ammoniacal Nitrogen by Discrete Analyser

Eurofins ELS Limited 43 Detroit Drive Rolleston Frankton Christchurch 7614 **NEW ZEALAND NEW ZEALAND**

Eurofins ELS Limited Unit 1/74 Glenda Drive Queenstown 9300

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







Food & Water Testing

		RESULTS		LOQ	
® NCOAK	Ammoniacal Nitrogen by Discrete Analyser				
	Ammonia nitrogen	0.04	mg/l	0.01	
*ZMJGR	Enumeration of Esc	herichia coli by Memb	orane Filtration		
	Escherichia coli	<1	cfu/100 ml	1	
*NCO3R	Nitrate-Nitrogen in Water by Discrete Analyser Calculation (Trace)			n (Trace)	
	Nitrate nitrogen	0.89	mg/l	0.01	
⑦NC04Q	Piezometer Level				
	Water Level	3.63	m	0.005	
*NC03M	Total Nitrogen in Water by Discrete Analyser (Trace)				
	Total Nitrogen (N)	1.19	mg/l	0.01	
*NC76G	Total Phosphorus in	Water by Discrete Ar	nalyser (Trace)		
	Total phosphorus	0.16	mg/l	0.01	

SAMPL	LE CODE	817-2025-00067	189				
Sampling Point code:		NC0001572021		Sampling Point name:	Shotover WWTP Bore 3		
Reception Date & Time:		07/07/2025 14:08		Reception temperature:	3.5 °C		
Analysis Started on:		08/07/2025		Analysis Ending Date:	10/07/2025		
Sampled Date & Time		07/07/2025 12:50		Sampler(s)			
Sampling Purpose		Monitoring					
	RESULTS		LOQ				
®NCOAK	ขึ้NCOAK Ammoniacal Nitrogen by Discrete Analyser						
	Ammonia nitrogen	5.30	mg/l	0.01			
*ZMJGR	GR Enumeration of Escherichia coli by Membrane Filtration						

_			<i>y</i>		
	Ammonia nitrogen	5.30	mg/l	0.01	
*ZMJGR Enumeration of Escherichia coli by Membrane Filtration					
	Escherichia coli	<1	cfu/100 ml	1	
*NCO3R	Nitrate-Nitrogen in Water	by Discrete	Analyser Calculation	(Trace)	
	Nitrate nitrogen	8.01	mg/l	0.01	
*NC03M	Total Nitrogen in Water b	y Discrete Ar	nalyser (Trace)		
	Total Nitrogen (N)	14.3	mg/l	0.01	
*NC76G Total Phosphorus in Water by Discrete Analyser (Trace)					
	Total phosphorus	0.80	mg/l	0.01	

SAMPLE CODE	817-2025-00067190		
Sampling Point code:	NC0001572022	Sampling Point name:	Shotover WWTP Bore 4
Reception Date & Time:	07/07/2025 14:08	Reception temperature:	3.5 °C
Analysis Started on:	08/07/2025	Analysis Ending Date:	10/07/2025
Sampled Date & Time	07/07/2025 12:30	Sampler(s)	
Sampling Purpose	Monitoring		

Samplin	ng Purpose	Monitoring				
		RESUI	_TS	LOQ		
® NCOAK	Ammoniacal Nitrogen by Discrete Analyser					
	Ammonia nitrogen	3.18	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	2.57	mg/l	0.01		
*NC03M	Total Nitrogen in Water by Discrete Analyser (Trace)					
	Total Nitrogen (N)	8.31	mg/l	0.01		
*NC76G	Total Phosphoru					
	Total phosphorus	1.11	mg/l	0.01		
Eurofine E	ELS Limited	Furofine ELS	Limited	Phone (Christohurch) +64 3 343 5227	,	

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Shotover WWTP Bore 6



Food & Water Testing

RESULTS LOQ

SAMPLE CODE 817-2025-00067192

Sampling Point code: NC0001572024 Sampling Point name:

Reception Date & Time: 07/07/2025 14:08 Reception temperature: 3.5 °C

Analysis Started on: 08/07/2025 Analysis Ending Date: 10/07/2025

Sampled Date & Time 07/07/2025 11:45 Sampler(s)
Sampling Purpose Monitoring

RESULTS LOQ

®NCOAK Ammoniacal Nitrogen by Discrete Analyser

Ammonia nitrogen 0.07 mg/l 0.01

*ZMJGR Enumeration of Escherichia coli by Membrane Filtration

Escherichia coli <1 cfu/100 ml

*NCO3R Nitrate-Nitrogen in Water by Discrete Analyser Calculation (Trace)

Nitrate nitrogen 6.64 mg/l 0.01

*NCO3M Total Nitrogen in Water by Discrete Analyser (Trace)

Total Nitrogen (N) 7.55 mg/l 0.01

*NC76G Total Phosphorus in Water by Discrete Analyser (Trace)

Total phosphorus 1.41 mg/l 0.01

SAMPLE CODE 817-2025-00067193

Sampling Point code: NC0001572025 Sampling Point name: Shotover WWTP Bore 7

Reception Date & Time: 07/07/2025 14:08 Reception temperature: 3.5 °C

Analysis Started on: 08/07/2025 Analysis Ending Date: 10/07/2025

Sampled Date & Time 07/07/2025 12:00 Sampler(s)
Sampling Purpose Monitoring

RESULTS LOQ

Ammonia nitrogen 8.14 mg/l 0.01

*ZMJGR Enumeration of Escherichia coli by Membrane Filtration

Escherichia coli <1 cfu/100 ml 1

*NCO3R Nitrate-Nitrogen in Water by Discrete Analyser Calculation (Trace)

Nitrate nitrogen 1.21 mg/l 0.01

*NC03M Total Nitrogen in Water by Discrete Analyser (Trace)

Total Nitrogen (N) 11.7 mg/l 0.01

*NC76G Total Phosphorus in Water by Discrete Analyser (Trace)

Total phosphorus 1.49 mg/l 0.01

SAMPLE CODE 817-2025-00067194

Sampling Point code: NC0001572026 Sampling Point name: Shotover WWTP Bore 8

 Reception Date & Time:
 07/07/2025 14:08
 Reception temperature:
 3.5 °C

 Analysis Started on:
 08/07/2025
 Analysis Ending Date:
 10/07/2025

Sampled Date & Time 07/07/2025 12:15 **Sampler(s)**

Sampling Purpose Monitoring

RESULTS LOQ

®NCOAK Ammoniacal Nitrogen by Discrete Analyser

Ammonia nitrogen 4.85 mg/l 0.01

*ZMJGR Enumeration of Escherichia coli by Membrane Filtration

Escherichia coli <1 cfu/100 ml

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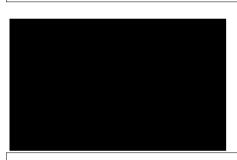


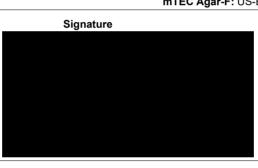


Food & Water Testing

		RESULT	S	LOQ
*NCO3R	Nitrate-Nitrogen in Water by Discrete Analyser Calculation (Trace)			
	Nitrate nitrogen	7.46	mg/l	0.01
ØNC04Q	Piezometer Level			
	Water Level	3.78	m	0.005
*NC03M	Total Nitrogen in Water by Discrete Analyser (Trace)			
	Total Nitrogen (N)	14.4	mg/l	0.01
*NC76G	Total Phosphorus in Water by Discrete Analyser (Trace)			
	Total phosphorus	0.31	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		





EXPLANATORY NOTE

- Test is not accredited
- ②Test is subcontracted within Eurofins group and is accredited
- Test is subcontracted within Eurofins group and is not accredited
- Test is subcontracted outside Eurofins group and is accredited
- **⑤** Test is subcontracted outside Eurofins group and is not accredited
- **©** Test result is provided by the customer and is not accredited
- Tested at the sampling point by Eurofins and is not accredited
- Tested at the sampling point by Eurofins and is accredited
- Test is RLP accredited
- Test is subcontracted within Eurofins group and is RLP accredited
- *Test was performed at Eurofins ELS Limited, Unit 1/74 Glenda Drive, Frankton, Queenstown

N/A means Not Applicable

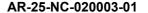
Not Detected means not detected at or above the Limit of Quantification (LOQ)

LOQ means Limit of Quantification and the unit of LOQ is the same as the result unit

- $oldsymbol{x}$ (Unsatisfactory) means does not meet the specification
- ✓ (Satisfactory) means meets the specification
- MAV means Maximum Allowable Value









Food & Water Testing

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