

ANALYTICAL REPORT

REPORT CODE

AR-26-NC-021095-01

REPORT DATE

22/06/2026

Attention Otago Regional Council

Contact for your orders:

[REDACTED]

Order code:

EUNZCH-00258819

Contract:

Shotover

Submission Reference:

Shotover Monthly

Purchase Order Number:

[REDACTED]

Order Comment:

Tamper Tag 551047 recieved intact

SAMPLE CODE

817-2026-00055948

Sample Name

GT7800RC

Sample Reference

US WWTP SH6

Reception Date & Time:

17/06/2026 8:40

Reception temperature:

4.1 °C

Analysis Started on:

17/06/2026

Analysis Ending Date:

22/06/2026

Product Type

Surface Water

Sampler(s)

[REDACTED]

Sampled Date & Time

16/06/2026 12:35

RESULTS

LOQ

NC03M Total Nitrogen in Water by Discrete Analyser (Trace)

Total Nitrogen (N) 0.06 mg/l 0.01

NC04C Total Oxidised Nitrogen in Water by Discrete Analyser

Total Oxidised Nitrogen 0.02 mg/l 0.01

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

Biochemical oxygen demand <2 mg/l 2
(BOD)

NC0AE Total Suspended Solids in Water by Gravimetry

Suspended Solids 12.7 mg/l 2.5

NC0AF pH in Water by Manual Electrode (Tested beyond 15 minute APHA holding time)

pH 7.7 0.1

@NC0AK Ammoniacal Nitrogen by Discrete Analyser

Ammonia nitrogen <0.01 mg/l 0.01

NC76G Total Phosphorus in Water by Discrete Analyser (Trace)

Total phosphorus 0.02 mg/l 0.01

ZMJU7 Enumeration of Escherichia coli by Membrane Filtration

Escherichia coli 2 cfu/100 ml 1

SAMPLE CODE

817-2026-00055949

Sample Name

GT77900RC

Sample Reference

Final Discharge Post UV

Reception Date & Time:

17/06/2026 8:40

Reception temperature:

4.1 °C

Analysis Started on:

17/06/2026

Analysis Ending Date:

22/06/2026

Product Type

Effluent

Sampler(s)

[REDACTED]

Sampled Date & Time

16/06/2026 13:45

RESULTS

LOQ

RESULTS			LOQ
NC03M	Total Nitrogen in Water by Discrete Analyser (Trace)		
	Total Nitrogen (N)	4.23	mg/l
			0.01
NC04C	Total Oxidised Nitrogen in Water by Discrete Analyser		
	Total Oxidised Nitrogen	3.4	mg/l
			0.01
NC05B	Total Biochemical Oxygen Demand (TBOD 5 Days) by Electrode		
	Biochemical oxygen demand (BOD)	2	mg/l
			2
NC0AE	Total Suspended Solids in Water by Gravimetry		
	Suspended Solids	5.9	mg/l
			2.5
NC0AF	pH in Water by Manual Electrode (Tested beyond 15 minute APHA holding time)		
	pH	6.9	
			0.1
© NC0AK	Ammoniacal Nitrogen by Discrete Analyser		
	Ammonia nitrogen	0.05	mg/l
			0.01
NC76G	Total Phosphorus in Water by Discrete Analyser (Trace)		
	Total phosphorus	0.37	mg/l
			0.01
ZMJU7	Enumeration of Escherichia coli by Membrane Filtration		
	Escherichia coli	2	cfu/100 ml
			1

SAMPLE CODE	817-2026-00055950		
Sample Name	GT7810RC		
Sample Reference	Shotover WWTP discharge to Shotover River		
Reception Date & Time:	17/06/2026 8:40	Reception temperature:	4.1 °C
Analysis Started on:	17/06/2026	Analysis Ending Date:	22/06/2026
Product Type	Surface Water	Sampler(s)	
Sampled Date & Time	16/06/2026 13:15		

RESULTS			LOQ
NC03M	Total Nitrogen in Water by Discrete Analyser (Trace)		
	Total Nitrogen (N)	4.21	mg/l
			0.01
NC04C	Total Oxidised Nitrogen in Water by Discrete Analyser		
	Total Oxidised Nitrogen	3.4	mg/l
			0.01
NC05B	Total Biochemical Oxygen Demand (TBOD 5 Days) by Electrode		
	Biochemical oxygen demand (BOD)	3	mg/l
			2
NC0AE	Total Suspended Solids in Water by Gravimetry		
	Suspended Solids	8.8	mg/l
			2.5
NC0AF	pH in Water by Manual Electrode (Tested beyond 15 minute APHA holding time)		
	pH	7.2	
			0.1
© NC0AK	Ammoniacal Nitrogen by Discrete Analyser		
	Ammonia nitrogen	0.06	mg/l
			0.01
NC76G	Total Phosphorus in Water by Discrete Analyser (Trace)		
	Total phosphorus	0.40	mg/l
			0.01
ZMJU7	Enumeration of Escherichia coli by Membrane Filtration		
	Escherichia coli	10	cfu/100 ml
			1

SAMPLE CODE 817-2026-00055951

Sample Name GT7820RC

Sample Reference ~200m DS of discharge to Shotover river

Reception Date & Time: 17/06/2026 8:40

Reception temperature: 4.1 °C

Analysis Started on: 17/06/2026

Analysis Ending Date: 22/06/2026

Product Type Surface Water

Sampler(s)

Sampled Date & Time 16/06/2026 13:10

RESULTS

LOQ

NC03M Total Nitrogen in Water by Discrete Analyser (Trace)

Total Nitrogen (N)	0.20	mg/l	0.01
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NC04C Total Oxidised Nitrogen in Water by Discrete Analyser

Total Oxidised Nitrogen	0.11	mg/l	0.01
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NC05B Total Biochemical Oxygen Demand (TBOD 5 Days) by Electrode

Biochemical oxygen demand (BOD)	<2	mg/l	2
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NC0AE Total Suspended Solids in Water by Gravimetry

Suspended Solids	13.1	mg/l	2.5
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NC0AF pH in Water by Manual Electrode (Tested beyond 15 minute APHA holding time)

pH	7.7		0.1
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© NC0AK Ammoniacal Nitrogen by Discrete Analyser

Ammonia nitrogen	<0.01	mg/l	0.01
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NC76G Total Phosphorus in Water by Discrete Analyser (Trace)

Total phosphorus	0.03	mg/l	0.01
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ZMJU7 Enumeration of Escherichia coli by Membrane Filtration

Escherichia coli	4	cfu/100 ml	1
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SAMPLE CODE 817-2026-00055952

Sample Name GT7840RC

Sample Reference US at Kawarau River

Reception Date & Time: 17/06/2026 8:40

Reception temperature: 4.1 °C

Analysis Started on: 17/06/2026

Analysis Ending Date: 22/06/2026

Product Type Surface Water

Sampler(s)

Sampled Date & Time 16/06/2026 12:45

RESULTS

LOQ

NC03M Total Nitrogen in Water by Discrete Analyser (Trace)

Total Nitrogen (N)	0.12	mg/l	0.01
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NC04C Total Oxidised Nitrogen in Water by Discrete Analyser

Total Oxidised Nitrogen	0.06	mg/l	0.01
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NC05B Total Biochemical Oxygen Demand (TBOD 5 Days) by Electrode

Biochemical oxygen demand (BOD)	<2	mg/l	2
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NC0AE Total Suspended Solids in Water by Gravimetry

Suspended Solids	<2.5	mg/l	2.5
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NC0AF pH in Water by Manual Electrode (Tested beyond 15 minute APHA holding time)

pH	7.4		0.1
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© NC0AK Ammoniacal Nitrogen by Discrete Analyser

Ammonia nitrogen	0.01	mg/l	0.01
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NC76G Total Phosphorus in Water by Discrete Analyser (Trace)

Total phosphorus	0.01	mg/l	0.01
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RESULTS			LOQ
ZMJU7 Enumeration of Escherichia coli by Membrane Filtration			
Escherichia coli	5	cfu/100 ml	1
SAMPLE CODE 817-2026-00055953			
Sample Name		GT7850RC	
Sample Reference		DS of Kawareu River	
Reception Date & Time:		17/06/2026 8:40	Reception temperature: 4.1 °C
Analysis Started on:		17/06/2026	Analysis Ending Date: 22/06/2026
Product Type		Surface Water	Sampler(s) XXXXXXXXXX
Sampled Date & Time		16/06/2026 12:10	
RESULTS			LOQ
NC03M Total Nitrogen in Water by Discrete Analyser (Trace)			
Total Nitrogen (N)	0.13	mg/l	0.01
NC04C Total Oxidised Nitrogen in Water by Discrete Analyser			
Total Oxidised Nitrogen	0.07	mg/l	0.01
NC05B Total Biochemical Oxygen Demand (TBOD 5 Days) by Electrode			
Biochemical oxygen demand (BOD)	<2	mg/l	2
NC0AE Total Suspended Solids in Water by Gravimetry			
Suspended Solids	15.7	mg/l	2.5
NC0AF pH in Water by Manual Electrode (Tested beyond 15 minute APHA holding time)			
pH	7.8		0.1
© NC0AK Ammoniacal Nitrogen by Discrete Analyser			
Ammonia nitrogen	<0.01	mg/l	0.01
NC76G Total Phosphorus in Water by Discrete Analyser (Trace)			
Total phosphorus	0.04	mg/l	0.01
ZMJU7 Enumeration of Escherichia coli by Membrane Filtration			
Escherichia coli	1	cfu/100 ml	1

LIST OF METHODS

NC03M Total Nitrogen in Water by Discrete Analyser (Trace): APHA 24th Edition 4500-P J/4500-NH	NC04C Total Oxidised Nitrogen in Water by Discrete Analyser: APHA 24th Edition 4500-NO3 H
NC05B Total Biochemical Oxygen Demand (TBOD 5 Days) by Electrode: APHA 24th Edition 5210 B	NC0AE Total Suspended Solids in Water by Gravimetry: APHA 24th Edition 2540 D
NC0AF pH in Water by Manual Electrode (Tested beyond 15 minute APHA holding time): APHA 24th Edition 4500-H B	NC0AK Ammoniacal Nitrogen by Discrete Analyser: ISBN 0117516139 mod.
NC76G Total Phosphorus in Water by Discrete Analyser (Trace): APHA 24th Edition 4500-P B/J mod.	ZMJU7 Escherichia coli E [IVC] <1 >8 000 cfu/100 ml (0) 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

This report applies exclusively to the samples provided by the Customer and does not represent the entire lot or batch from which the samples were drawn.

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END OF REPORT

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