

Food & Water Testing

	RESULTS		LOQ
NC03M	Total Nitrogen in Water by Discrete Analyser (Trace)		
	Total Nitrogen (N)	4.53	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	6.7	mg/l
			2.5
NC0AF	pH in Water by Manual Electrode (Tested beyond 15 minute APHA holding time)		
	pH	7.0	
			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	2.17	mg/l
			0.01
ZMJU7	Enumeration of Escherichia coli by Membrane Filtration		
	Escherichia coli	16	cfu/100 ml
			1

SAMPLE CODE	817-2026-00028819		
Sample Name	GT781ORC		
Sampling Point code:	GT781ORC	Sampling Point name:	3. Discharge to the river - ORC Sampling
Reception Date & Time:	26/03/2026 14:03	Reception temperature:	14.3 °C
Analysis Started on:	27/03/2026	Analysis Ending Date:	03/04/2026
Product Type	Surface water, raw water	Sampler(s)	[REDACTED]
Sampled Date & Time	26/03/2026 12:46		

	RESULTS		LOQ
NC03M	Total Nitrogen in Water by Discrete Analyser (Trace)		
	Total Nitrogen (N)	4.55	mg/l
			0.01
NC04C	Total Oxidised Nitrogen in Water by Discrete Analyser		
	Total Oxidised Nitrogen	3.3	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	7.9	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	2.24	mg/l
			0.01
ZMJU7	Enumeration of Escherichia coli by Membrane Filtration		
	Escherichia coli	250	cfu/100 ml
			1

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SAMPLE CODE	817-2026-00028820		
Sample Name	GT782ORC		
Sampling Point code:	GT782ORC	Sampling Point name:	4. 200 meters downstream - ORC Sampling
Reception Date & Time:	26/03/2026 14:03	Reception temperature:	14.3 °C
Analysis Started on:	27/03/2026	Analysis Ending Date:	03/04/2026
Product Type	Surface water, raw water	Sampler(s)	[REDACTED]
Sampled Date & Time	26/03/2026 12:48		

	RESULTS		LOQ
NC03M	Total Nitrogen in Water by Discrete Analyser (Trace)		
	Total Nitrogen (N)	0.64 mg/l	0.01
NC04C	Total Oxidised Nitrogen in Water by Discrete Analyser		
	Total Oxidised Nitrogen	0.49 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	148 mg/l	2.5
NC0AF	pH in Water by Manual Electrode (Tested beyond 15 minute APHA holding time)		
	pH	7.9	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	0.45 mg/l	0.01
ZMJU7	Enumeration of Escherichia coli by Membrane Filtration		
	Escherichia coli	250 cfu/100 ml	1

SAMPLE CODE	817-2026-00028821		
Sample Name	GT784ORC		
Sampling Point code:	GT784ORC	Sampling Point name:	5. Upstream of Kawarau River - ORC Sampling
Reception Date & Time:	26/03/2026 14:03	Reception temperature:	14.3 °C
Analysis Started on:	27/03/2026	Analysis Ending Date:	03/04/2026
Product Type	Surface water, raw water	Sampler(s)	[REDACTED]
Sampled Date & Time	26/03/2026 12:20		

	RESULTS		LOQ
NC03M	Total Nitrogen in Water by Discrete Analyser (Trace)		
	Total Nitrogen (N)	0.33 mg/l	0.01
NC04C	Total Oxidised Nitrogen in Water by Discrete Analyser		
	Total Oxidised Nitrogen	0.18 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	4.8 mg/l	2.5
NC0AF	pH in Water by Manual Electrode (Tested beyond 15 minute APHA holding time)		
	pH	7.6	0.1
©NC0AK	Ammoniacal Nitrogen by Discrete Analyser		
	Ammonia nitrogen	0.14 mg/l	0.01
NC76G	Total Phosphorus in Water by Discrete Analyser (Trace)		

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	RESULTS	LOQ
NC76G Total Phosphorus in Water by Discrete Analyser (Trace)		
Total phosphorus	0.01	mg/l 0.01
ZMJU7 Enumeration of Escherichia coli by Membrane Filtration		
Escherichia coli	170	cfu/100 ml 1
SAMPLE CODE 817-2026-00028822		
Sample Name	GT783ORC	
Sampling Point code:	GT785ORC	Sampling Point name: 6. Downstream of Kawarau River - ORC Sampling
Reception Date & Time:	26/03/2026 14:03	Reception temperature: 14.3 °C
Analysis Started on:	27/03/2026	Analysis Ending Date: 03/04/2026
Product Type	Surface water, raw water	Sampler(s) XXXXXXXXXX
Sampled Date & Time	26/03/2026 11:45	

	RESULTS	LOQ
NC03M Total Nitrogen in Water by Discrete Analyser (Trace)		
Total Nitrogen (N)	0.08	mg/l 0.01
NC04C Total Oxidised Nitrogen in Water by Discrete Analyser		
Total Oxidised Nitrogen	0.06	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	35.9	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	0.03	mg/l 0.01
ZMJU7 Enumeration of Escherichia coli by Membrane Filtration		
Escherichia coli	16	cfu/100 ml 1

LIST OF METHODS	
<p>NC03M Total Nitrogen in Water by Discrete Analyser (Trace): APHA 24th Edition 4500-P J/4500-NH * Test was performed at 142 Esk Street, Invercargill</p>	<p>NC04C Total Oxidised Nitrogen in Water by Discrete Analyser: APHA 24th Edition 4500-NO3 H * Test was performed at 142 Esk Street, Invercargill</p>
<p>NC05B Total Biochemical Oxygen Demand (TBOD 5 Days) by Electrode: APHA 24th Edition 5210 B * Test was performed at 142 Esk Street, Invercargill</p>	<p>NC0AE Total Suspended Solids in Water by Gravimetry: APHA 24th Edition 2540 D * Test was performed at 142 Esk Street, Invercargill</p>
<p>NC0AF pH in Water by Manual Electrode (Tested beyond 15 minute APHA holding time): APHA 24th Edition 4500-H B * Test was performed at 142 Esk Street, Invercargill</p>	<p>NC0AK Ammoniacal Nitrogen by Discrete Analyser: ISBN 0117516139 mod. * Test was performed at 142 Esk Street, Invercargill</p>
<p>NC76G Total Phosphorus in Water by Discrete Analyser (Trace): APHA 24th Edition 4500 P B/J mod * Test was performed at 142 Esk Street, Invercargill</p>	<p>ZMJU7 Escherichia coli E [IVC] <1 >8 000 cfu/100 ml (0) mTEC Agar-F: US EPA 1603 2014 * Test was performed at 142 Esk Street, Invercargill</p>

Signature

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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

X (Unsatisfactory) means does not meet the specification

✓ (Satisfactory) means meets the specification

MAV means Maximum Allowable Value

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Unless otherwise stated, all tests (except subcontracted tests) are performed at 16 Lorne Street, Dunedin.

END OF REPORT

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