

Food & Water Testing

PRELIMINARY REPORT

REPORT CODE

PR-25-NC-000071-01

REPORT DATE

24/04/2025

Attention Otago Regional Council

Private Bag 1954

9054 DUNEDIN

NEW ZEALAND

Phone

Email

Copy to: regulatory

Contact for your orders:

Contract:

Submission Reference:

Shotover WWTP

Emergency Discharge to Shotover River

Order code:

EUNZCH-00215116

Purchase Order Number:

SAMPLE CODE

817-2025-00041209

Sample Name

GT7800RC

Sample Reference

U/S WWTP and SH6 Bridge

Reception Date & Time:

22/04/2025 13:20

Analysis Started on:

22/04/2025

Product Type

Surface water, raw water

Sampled Date & Time

22/04/2025 11:02

Reception temperature:

12.8 °C

Analysis Ending Date:

24/04/2025

Sampler(s)

RESULTS

LOQ

⑨*NC0AK Ammoniacal Nitrogen by Discrete Analyser

Ammonia nitrogen

<0.01

mg/l

0.01

*ZMJU7 Enumeration of Escherichia coli by Membrane Filtration

Escherichia coli

11

cfu/100 ml

1

SAMPLE CODE

817-2025-00041210

Sample Name

GT7790RC

Sample Reference

Final Discharge Post UV

Reception Date & Time:

22/04/2025 13:20

Analysis Started on:

22/04/2025

Product Type

Surface water, raw water

Sampled Date & Time

22/04/2025 13:00

Reception temperature:

12.8 °C

Analysis Ending Date:

24/04/2025

Sampler(s)

RESULTS

LOQ

⑨*NC0AK Ammoniacal Nitrogen by Discrete Analyser

Ammonia nitrogen

8.81

mg/l

0.01

*ZMJU7 Enumeration of Escherichia coli by Membrane Filtration

Escherichia coli

13

cfu/100 ml

1

SAMPLE CODE

817-2025-00041211

Sample Name

GT7810RC

Sample Reference

Shotover WWTP Discharge to Shotover River

Reception Date & Time:

22/04/2025 13:20

Analysis Started on:

22/04/2025

Product Type

Surface water, raw water

Sampled Date & Time

22/04/2025 12:31

Reception temperature:

12.8 °C

Analysis Ending Date:

24/04/2025

Sampler(s)

RESULTS

LOQ

⑨*NC0AK Ammoniacal Nitrogen by Discrete Analyser

Ammonia nitrogen

8.40

mg/l

0.01

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RESULTS	LOQ
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***ZMJU7 Enumeration of Escherichia coli by Membrane Filtration**

Escherichia coli 11 cfu/100 ml 1

SAMPLE CODE	817-2025-00041212
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Sample Name GT7820RC

Sample Reference Approx 200m D/S of discharge Shotover River

Reception Date & Time: 22/04/2025 13:20

Reception temperature: 12.8 °C

Analysis Started on: 22/04/2025

Analysis Ending Date: 24/04/2025

Product Type Surface water, raw water

Sampler(s)

Sampled Date & Time 22/04/2025 12:20

RESULTS	LOQ
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⑨*NC0AK Ammoniacal Nitrogen by Discrete Analyser

Ammonia nitrogen 0.64 mg/l 0.01

***ZMJU7 Enumeration of Escherichia coli by Membrane Filtration**

Escherichia coli 9 cfu/100 ml 1

SAMPLE CODE	817-2025-00041213
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Sample Name GT7840RC

Sample Reference U/S of Kawarau River

Reception Date & Time: 22/04/2025 13:20

Reception temperature: 12.8 °C

Analysis Started on: 22/04/2025

Analysis Ending Date: 24/04/2025

Product Type Surface water, raw water

Sampler(s)

Sampled Date & Time 22/04/2025 11:55

RESULTS	LOQ
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⑨*NC0AK Ammoniacal Nitrogen by Discrete Analyser

Ammonia nitrogen <0.01 mg/l 0.01

***ZMJU7 Enumeration of Escherichia coli by Membrane Filtration**

Escherichia coli 28 cfu/100 ml 1

SAMPLE CODE	817-2025-00041214
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Sample Name GT7830RC

Sample Reference D/S of Kawarau River

Reception Date & Time: 22/04/2025 13:20

Reception temperature: 12.8 °C

Analysis Started on: 22/04/2025

Analysis Ending Date: 24/04/2025

Product Type Surface water, raw water

Sampler(s)

Sampled Date & Time 22/04/2025 11:22

RESULTS	LOQ
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⑨*NC0AK Ammoniacal Nitrogen by Discrete Analyser

Ammonia nitrogen 0.03 mg/l 0.01

***ZMJU7 Enumeration of Escherichia coli by Membrane Filtration**

Escherichia coli 11 cfu/100 ml 1

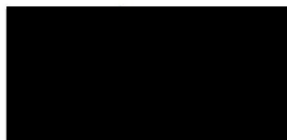
LIST OF METHODS

NC0AK **Ammoniacal Nitrogen by Discrete Analyser:** ISBN 0117516139 mod.

ZMJU7 **Escherichia coli E (Water) [NZ Water] <1 >8 000 /100 ml (0) mTEC Agar-F:** US-EPA 1603:2014

Signature

Food & Water Testing



Laboratory Analyst (K.T.P)

K T P K T P

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
- *Test was performed at Eurofins ELS Limited, 142 Esk Street, Invercargill

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

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.

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All samples become the property of Eurofins to the extent necessary for the performance of the Services.

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