

### Certificate of Analysis

#### Laboratory Reference: 190612-106

<b>Attention:</b>	News .	<b>Final Report:</b>	<b>321916-0</b>
<b>Client:</b>	<b>VEOLIA WATER</b>	<b>Report Issue Date:</b>	<b>15-Jun-2019</b>
<b>Address:</b>		<b>Received Date:</b>	<b>12-Jun-2019</b>
<b>Client Reference:</b>	<b>Hahei Estuary</b>	<b>Quote Reference :</b>	<b>5949</b>
<b>Purchase Order:</b>	<b>Not Available</b>		

#### Sample Details

#### WATERS

<b>Lab Sample ID:</b>	<b>190612-106-1</b>
<b>Client Sample ID:</b>	
<b>Sample Date/Time:</b>	12/06/2019
<b>Description:</b>	Estuary

#### General Testing

Ammoniacal Nitrogen (as N)	mg/L	0.079
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#### Microbiology

##### Enterococci by Membrane Filtration

Enterococci	cfu/100 mL	350
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##### Escherichia coli by Membrane Filtration

Escherichia coli	cfu/100 mL	220
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Results marked with \* are not accredited to International Accreditation New Zealand

Where samples have been supplied by the client they are tested as received. A dash indicates no test performed.

#### Reference Methods

The sample(s) referred to in this report were analysed by the following method(s)

Analyte	Method Reference	MDL	Samples	Location
<b>General Testing</b>				
Ammoniacal Nitrogen (as N) by Flow Analysis	APHA (online edition) 4500-NH3 H	0.005 mg/L	All	Auckland
<b>Microbiology</b>				
<b>Enterococci by Membrane Filtration</b>				
Enterococci	APHA (online edition) 9230 C	2 cfu/100 mL	All	Auckland
<b>Escherichia coli by Membrane Filtration</b>				
Escherichia coli	USEPA Method 1603	2 cfu/100 mL	All	Auckland

The method detection limit (MDL) listed is the limit attainable in a relatively clean matrix. If dilutions are required for analysis the detection limit may be higher.  
 For more information please contact the Operations Manager.

Samples, with suitable preservation and stability of analytes, will be held by the laboratory for a period of two weeks after results have been reported, unless otherwise advised by the submitter.

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Report Signatory 15/06/2019

A handwritten signature in blue ink, appearing to be 'QZ'.

Qi Zhu  
KTP Signatory