



## Certificate of Analysis

Page 1 of 1

<b>Client:</b>	Timaru District Council	<b>Lab No:</b>	2828251	SPV1
<b>Contact:</b>	Pauline Robertson C/- Timaru District Council PO Box 522 Timaru 7940	<b>Date Received:</b>	15-Jan-2022	
		<b>Date Reported:</b>	19-Jan-2022	
		<b>Quote No:</b>		
		<b>Order No:</b>	38447	
		<b>Client Reference:</b>		
		<b>Submitted By:</b>	J Clemens	

### Sample Type: Aqueous

	Sample Name:	Opihi Gallery	Opihi Mont One	Opihi River	Opihi Mont Two	Opihi Mont Four
		14-Jan-2022 1:20 pm	14-Jan-2022 2:15 pm	14-Jan-2022 1:25 pm	14-Jan-2022 2:25 pm	14-Jan-2022 2:35 pm
	<b>Lab Number:</b>	2828251.1	2828251.2	2828251.3	2828251.4	2828251.5
Total Manganese	g/m <sup>3</sup>	0.23	0.048	0.0025	0.036	0.79

## Summary of Methods

The following table(s) gives a brief description of the methods used to conduct the analyses for this job. The detection limits given below are those attainable in a relatively simple matrix. Detection limits may be higher for individual samples should insufficient sample be available, or if the matrix requires that dilutions be performed during analysis. A detection limit range indicates the lowest and highest detection limits in the associated suite of analytes. A full listing of compounds and detection limits are available from the laboratory upon request. Unless otherwise indicated, analyses were performed at Hill Laboratories, 28 Duke Street, Frankton, Hamilton 3204.

### Sample Type: Aqueous

Test	Method Description	Default Detection Limit	Sample No
Total Digestion	Nitric acid digestion. APHA 3030 E (modified) 23 <sup>rd</sup> ed. 2017.	-	1-5
Total Manganese	Nitric acid digestion, ICP-MS, trace level. APHA 3125 B 23 <sup>rd</sup> ed. 2017 / US EPA 200.8.	0.00053 g/m <sup>3</sup>	1-5

These samples were collected by yourselves (or your agent) and analysed as received at the laboratory.

Testing was completed on 19-Jan-2022. For completion dates of individual analyses please contact the laboratory.

Samples are held at the laboratory after reporting for a length of time based on the stability of the samples and analytes being tested (considering any preservation used), and the storage space available. Once the storage period is completed, the samples are discarded unless otherwise agreed with the customer. Extended storage times may incur additional charges.

This certificate of analysis must not be reproduced, except in full, without the written consent of the signatory.

Ara Heron BSc (Tech)  
Client Services Manager - Environmental



This Laboratory is accredited by International Accreditation New Zealand (IANZ), which represents New Zealand in the International Laboratory Accreditation Cooperation (ILAC). Through the ILAC Mutual Recognition Arrangement (ILAC-MRA) this accreditation is internationally recognised. The tests reported herein have been performed in accordance with the terms of accreditation, with the exception of tests marked \* or any comments and interpretations, which are not accredited.