

## CERTIFICATE OF ANALYSIS

<b>Work Order</b>	: <b>CA1901343</b>	Page	: 1 of 2
<b>Amendment</b>	: <b>1</b>	<b>Laboratory</b>	: ALS Water Resources Group
<b>Client</b>	: <b>Yass Valley Council</b>	<b>Contact</b>	: Client Services
<b>Contact</b>	: Mr Kuga Kugaprasatham	<b>Address</b>	: 16B Lithgow Street Fyshwick ACT Australia 2609
<b>Address</b>	: Yass Valley Council PO Box 6 Yass NSW 2582	<b>Telephone</b>	: +61 2 6202 5404
<b>Telephone</b>	: 02 6226 9201	<b>Date Samples Received</b>	: 25-Feb-2019 14:26
<b>Project</b>	: Comur Street	<b>Date Analysis Commenced</b>	: 04-Mar-2019
<b>Order number</b>	: 14468	<b>Issue Date</b>	: 06-Mar-2019 12:38
<b>C-O-C number</b>	: ---		
<b>Sampler</b>	: ---		
<b>Site</b>	: ---		
<b>Quote number</b>	: ---		
<b>No. of samples received</b>	: 1		
<b>No. of samples analysed</b>	: 1		



Accreditation No. 992  
Accredited for compliance with  
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results

**Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.**

### Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

<i>Signatories</i>	<i>Position</i>	<i>Accreditation Category</i>
Kai Squires	Laboratory Manager	ALS Scoresby, Fyshwick, ACT
Kai Squires	Laboratory Manager	Inorganics, Fyshwick, ACT



## General Comments

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contact for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.  
 LOR = Limit of reporting  
 ^ = This result is computed from individual analyte detections at or above the level of reporting  
 ø = ALS is not NATA accredited for these tests.  
 ~ = Indicates an estimated value.

- For samples collected by ALS WRG, sampling was carried out in accordance with Procedure EN67
- C\_GIARD\_TC Performed at ALS Scoresby

## Analytical Results

Sub-Matrix: WATER  
 (Matrix: WATER)

Client sample ID

				Comur Street Yass Water Supply Treated Water	----	----	----	----
				Client sampling date / time	25-Feb-2019 11:00	----	----	----
Compound	CAS Number	LOR	Unit	CA1901343-001	-----	-----	-----	-----
				Result	----	----	----	----
<b>MP546: Cryptosporidium and Giardia by Filtration</b>								
Volume Concentrated	----	0.1	L	200	----	----	----	----
Volume Analysed	----	0.1	L	200	----	----	----	----
Giardia	GIARDIA	0.05	cysts/L	<0.005	----	----	----	----
Cryptosporidium	----	0.05	oocysts/L	<0.005	----	----	----	----
Giardia - Recovery	----	1	%	50	----	----	----	----
Cryptosporidium - Recovery	----	1	%	57	----	----	----	----
<b>EN67CA: Job Observations</b>								
ø Comment	----	1	-	No Cryptosporidium or Giardia (oo)cysts were detected.	----	----	----	----