

CERTIFICATE OF ANALYSIS

Work Order : **EW1700498**

: WINGECARRIBEE SHIRE COUNCIL

Contact : MR CHRIS MURPHY

Address : PO BOX 141

MOSSVALE NSW

AUSTRALIA

Telephone : ----

Client

Project : RRC Quarterly

Order number : TBA
C-O-C number : ----

Sampler Robert DaLio

Site : ----

Quote number : WO/067/12

No. of samples received : 6
No. of samples analysed : 6

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Laboratory : Environmental Division NSW South Coast

Contact : Glenn Davies

Address : 1/19 Ralph Black Dr, North Wollongong 2500

4/13 Geary PI, North Nowra 2541

Australia

Telephone : 02 42253125

Date Samples Received : 07-Feb-2017 16:00

Date Analysis Commenced : 07-Feb-2017

Issue Date 15-Feb-2017 09:31



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

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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.

Signatories Position Accreditation Category

Celine Conceicao Senior Spectroscopist Sydney Inorganics, Smithfield, NSW

Sydney Inorganics, Smithfield, NSW

Glenn Davies Environmental Services Representative Laboratory - Wollongong

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ALS

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 no sampling time is provided, the sampling time will default 00:00 on the date of sampling. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component.

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

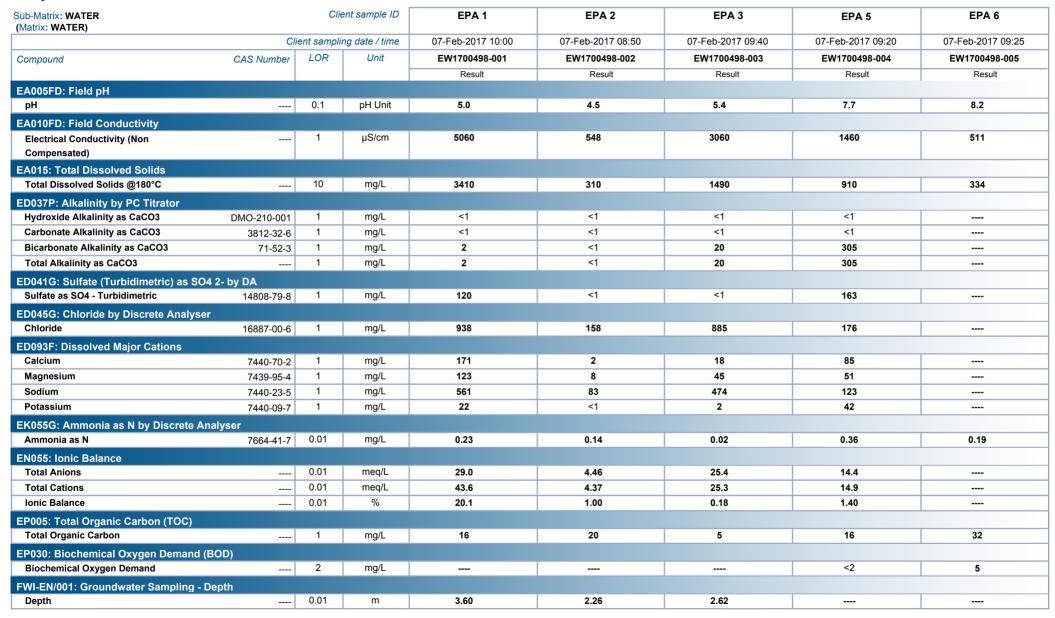
- ^ = This result is computed from individual analyte detections at or above the level of reporting
- ø = ALS is not NATA accredited for these tests.
- ~ = Indicates an estimated value.
- lonic Balance out of acceptable limits for sample 1 due to analytes not quantified in this report.
- Sampling and sample data supplied by ALS Wollongong.
- Sampling completed as per FWI-EN001 Groundwater Sampling.
- Sampling completed as per FWI-EN002 Surface Water Sampling.
- Field tests completed on day of sampling/receipt.

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Analytical Results





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1

2

mg/L

mg/L

96

12

Project RRC Quarterly

EP005: Total Organic Carbon (TOC)

EP030: Biochemical Oxygen Demand (BOD)

Total Organic Carbon

Biochemical Oxygen Demand

Analytical Results

