

Kioloa NSW 2539

CERTIFICATE OF ANALYSIS

Telephone

Work Order Page : EW2000607

Client Laboratory MERRY BEACH CARAVAN PARK : Environmental Division NSW South Coast

Contact : GROUNDS (REPORTS) Contact : Glenn Davies

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

4/13 Geary PI, North Nowra 2541

Accreditation No. 825

Accredited for compliance with ISO/IEC 17025 - Testing

: 1 of 3

Australia NSW Australia

: +61 2 4225 3125 Project **Date Samples Received** : Merry Beach Monitoring : 06-Feb-2020 14:35

Order number : P0501061 **Date Analysis Commenced** : 07-Feb-2020

C-O-C number Issue Date · 19-Feb-2020 10:36

Sampler : Peter Young Site : Merry Beach : WO/010/16 Quote number

No. of samples received : 5 No. of samples analysed

: 5

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

Telephone

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.

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.

Signatories Position Accreditation Category

Ankit Joshi Inorganic Chemist Sydney Inorganics, Smithfield, NSW

Geetha Ramasundara Chemistry Teamleader Inorganics, Fyshwick, ACT

Tony DeSouza Senior Microbiologist Sydney Microbiology, Smithfield, NSW Page : 2 of 3

Work Order : EW2000607

Client : MERRY BEACH CARAVAN PARK

Project : Merry Beach Monitoring

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 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.
- Analytical work for this work order will be conducted at ALS Sydney.
- MF = membrane filtration
- CFU = colony forming unit
- Microbiological Comment: In accordance with ALS work instruction QWI-MIC/04, membrane filtration result is reported an approximate (~) when the count of colonies on the filtered membrane is outside the range of 10 100cfu
- Membrane filtration results for MW006 Nos. 2 and 4 are reported as an estimate (~) due to the presence of many non-target organism colonies that may have inhibited the growth of the target organisms on the filter membrane. It may be informative to record this fact.
- MW023 is ALS's internal code and is equivalent to AS4276.9.
- MW006 is ALS's internal code and is equivalent to AS4276.7.

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Client : MERRY BEACH CARAVAN PARK

EK067G: Total Phosphorus as P by Discrete Analyser

EP030: Biochemical Oxygen Demand (BOD)

MW023: Enterococci by Membrane Filtration

MW006: Faecal Coliforms & E.coli by MF

Merry Beach Monitoring Project

Analytical Results

^ Total Nitrogen as N

Faecal Coliforms

Escherichia coli

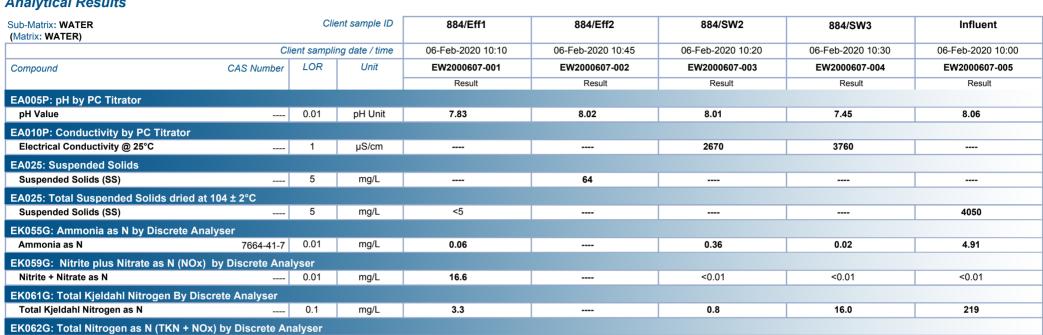
Enterococci

Oil and Grease

Total Phosphorus as P

Biochemical Oxygen Demand

EP020CA: Oil and Grease



~21

0.12

3

420

180

5.30

8

~400

200

219

126

162

470000

470000

<1

mg/L

mg/L

mg/L

CFU/100mL

CFU/100mL

CFU/100mL

mg/L

0.01

2

19.9

8.70

<2

35

<1