



Certificate Of Analysis

Client: Richmond Valley Council
Address: Locked Bag 10
Casino NSW 2470
Contact: Sandeep Chugh
Sampled by: Gary Mead
Subcontract Laboratory: Envirolab (NATA2901)
Subcontract Reference: 233100

Final report

Report no: 19/2100
Date received: 11/12/2019
Testing commenced: 11/12/2019
Date reported: 23/12/2019
No. of samples: 2
Revision no: 00

Analysis results apply to samples as received.

Raw and Finished Weekly

| Sample No.: Sample description: Date sampled: Time sampled: | Unit | Method | LOR | 19/2100-1 RVC Finished Water 11/12/2019 | 19/2100-2 RVC Raw Water 11/12/2019 |
|--|-------|------------|-------|---|---|
| pH | pH | APHA4500H | | 7.2 | 8.1 |
| Electrical Conductivity | µS/cm | APHA2510B | 1 | 479 | 393 |
| Total Dissolved Solids by calc | mg/L | APHA1030E | 2 | 307 | 252 |
| Dissolved Oxygen | mg/L | APHA4500OG | 0.2 | 7.7 | 6.1 |
| Fluoride - ISE | mg/L | APHA4500FC | 0.05 | 1.12 | [NA] |
| Colour (Apparent) | Pt-Co | RWL10.02 | 2 | 14 | 72 |
| Colour (True) | Pt-Co | RWL10.02 | 2 | <2 | 13 |
| Turbidity | NTU | APHA2130B | 0.1 | 1.3 | 8.4 |
| Alkalinity (as CaCO ₃) | mg/L | APHA2320B | 20 | 102 | 132 |
| Suspended Solids | mg/L | APHA2540D | 1 | 5 | 17 |
| Total Organic Carbon* | mg/L | Envirolab | 1 | 4 | 6 |
| Aluminium (Total) | mg/L | APHA3120B | 0.005 | 0.044 | 0.13 |
| Aluminium (Dissolved) | mg/L | APHA3120B | 0.005 | 0.024 | 0.005 |



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|--|-----------|-----------|-------|---|---|
| Iron (Total) | mg/L | APHA3120B | 0.005 | <0.005 | 0.29 |
| Iron (Dissolved) | mg/L | APHA3120B | 0.005 | <0.005 | 0.007 |
| Manganese (Total) | mg/L | APHA3120B | 0.005 | 0.088 | 0.26 |
| Manganese (Dissolved) | mg/L | APHA3120B | 0.005 | <0.005 | <0.005 |
| Calcium | mg/L | APHA3120B | 0.1 | 27.1 | 26.4 |
| Magnesium | mg/L | APHA3120B | 0.1 | 16.4 | 16.1 |
| Hardness as CaCO3 | mg/L | APHA2340B | 1 | 135 | 132 |
| Total Coliforms | MPN/100mL | APHA9223B | 1 | <1 | 92,080 |
| <i>E.coli</i> | MPN/100mL | APHA9223B | 1 | <1 | 16 |
| Heterotrophic Plate Count | MPN/mL | APHA9215E | 2 | [NT] | 13,700 |

General comments: This report must not be reproduced except in full. This report relates to items tested as specified herein.
 Samples tested between date received and date reported. Accredited for compliance with ISO/IEC 17025 - Testing
 # NATA accreditation does not cover the performance of this service. Tests marked with * are subcontracted.
 LOR denotes 'Limit of Reporting' < denotes less than; > denotes greater than; ND denotes 'not detected'
 The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standards

Specific comments:



A. Hawthorne
Laboratory Manager
Approved Authoriser