



Certificate Of Analysis

Client: Richmond Valley Council
Address: Locked Bag 10
 Casino NSW 2470
Contact: Sandeep Chugh
Sampled by: Micheal McRae
Subcontract Laboratory: Envirolab (NATA 2901); UUQ (NATA 11085)
Subcontract Reference: 253046, 20/09165
Analysis results apply to samples as received.

Final report

Raw and Finished Mthly

Report no: 20/1514
Date received: 7/10/2020
Testing commenced: 7/10/2020
Date reported: 22/10/2020
No. of samples: 2
Revision no: 00

| Sample No.: Sample description: Date sampled: Time sampled: | Unit | Method | LOR | 20/1514-1 RVC Finished Water 7/10/2020 | 20/1514-2 RVC Raw Water 7/10/2020 |
|--|-------|------------|-------|--|--|
| pH | pH | APHA4500H | | 7.5 | 7.6 |
| Electrical Conductivity | µS/cm | APHA2510B | 1 | 322 | 281 |
| Total Dissolved Solids by calc | mg/L | APHA1030E | 2 | 206 | 180 |
| Dissolved Oxygen | mg/L | APHA4500OG | 0.2 | 8.2 | 8.2 |
| Fluoride - ISE | mg/L | APHA4500FC | 0.05 | <u>0.074</u> | [NA] |
| Colour (Apparent) | Pt-Co | RWL10.02 | 2 | <u>6</u> | 58 |
| Colour (True) | Pt-Co | RWL10.02 | 2 | <2 | 14 |
| Turbidity | NTU | APHA2130B | 0.1 | 0.10 | 5.1 |
| Aluminium (Total) | mg/L | APHA3120B | 0.005 | 0.045 | 0.28 |
| Aluminium (Dissolved) | mg/L | APHA3120B | 0.005 | 0.043 | <0.005 |
| Iron (Total) | mg/L | APHA3120B | 0.005 | <0.005 | 0.36 |
| Iron (Dissolved) | mg/L | APHA3120B | 0.005 | <0.005 | 0.005 |
| Manganese (Total) | mg/L | APHA3120B | 0.005 | 0.012 | 0.11 |



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|--|-----------|-----------|-------|--|--|
| Manganese (Dissolved) | mg/L | APHA3120B | 0.005 | 0.011 | 0.053 |
| Alkalinity (as CaCO ₃) | mg/L | APHA2320B | 20 | 103 | 105 |
| Suspended Solids | mg/L | APHA2540D | 1 | <1 | 7 |
| Total Organic Carbon* | mg/L | Envirolab | 1 | 2 | 3 |
| Phosphorus - Total | mg/L | RWL 10.07 | 0.05 | <0.05 | 0.099 |
| Nitrogen - Nitrite-N | mg/L | RWL 10.05 | 0.01 | <0.01 | <0.01 |
| Nitrogen - Nitrate-N | mg/L | RWL 10.05 | 0.05 | <0.05 | <0.05 |
| Dissolved Organic Carbon* | mg/L | Envirolab | 1 | 2 | 2 |
| Total Trihalomethanes* | µg/L | Envirolab | 1 | 16 | [NA] |
| 2-methylisoborneol* | ng/L | UUQ | 2 | [NA] | <2.0 |
| Geosmin* | ng/L | UUQ | 2 | [NA] | 3.7 |
| Calcium | mg/L | APHA3120B | 0.1 | 20.5 | 21.2 |
| Magnesium | mg/L | APHA3120B | 0.1 | 12.1 | 12.2 |
| Hardness as CaCO ₃ | mg/L | APHA2340B | 1 | 101 | 103 |
| Total Coliforms | MPN/100mL | APHA9223B | 1 | <1 | 178 |
| <i>E. coli</i> | MPN/100mL | APHA9223B | 1 | <1 | 2 |
| Heterotrophic Plate Count | MPN/mL | APHA9215E | 2 | <2 | 1,770 |



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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:

M Window
Laboratory Analyst
Approved Authoriser