



## Certificate Of Analysis

**Client:** Richmond Valley Council  
**Address:** Locked Bag 10  
Casino NSW 2470  
**Contact:** Sandeep Chugh  
**Sampled by:** Serena Tomkins  
**Subcontract Laboratory:** Envirolab (NATA 2901); UUQ (11085)  
**Subcontract Reference:** 285072 / 10523  
*Analysis results apply to samples as received.*

Final report

**Report no:** 21/1798  
**Date received:** 8/12/2021  
**Testing commenced:** 8/12/2021  
**Date reported:** 20/12/2021  
**No. of samples:** 2  
**Revision no:** 00

Raw and Finished Mthly

| Sample No.:<br>Sample description: | Unit      | LOR   | 21/1798-1<br>RVC<br>Finished<br>Water<br>8/12/2021<br>12:50 | 21/1798-2<br>RVC Raw<br>Water<br>8/12/2021<br>09:50 |
|------------------------------------|-----------|-------|---|---|
| Date sampled:                      |           |       |   |   |
| Time sampled:                      |           |       |   |   |
| 2-methylisoborneol*                | ng/L      | 2     | [NA]  | <2.0  |
| Alkalinity (as CaCO <sub>3</sub> ) | mg/L      | 20    | 94  | 68  |
| Aluminium (Dissolved)              | mg/L      | 0.005 | 0.021   | 0.047   |
| Aluminium (Total)                  | mg/L      | 0.005 | 0.039   | 2.12  |
| Calcium                            | mg/L      | 0.1   | 12.8  | 14.4  |
| Colour (Apparent)                  | Pt-Co     | 2     | 2   | 730   |
| Colour (True)                      | Pt-Co     | 2     | <2  | 93  |
| Dissolved Organic Carbon*          | mg/L      | 1     | 2   | 7   |
| <i>E. coli</i>                     | MPN/100mL | 1     | <1  | 1,320   |
| Electrical Conductivity            | µS/cm     | 1     | 383   | 175   |
| Fluoride - ISE                     | mg/L      | 0.05  | <b>0.42</b>   | [NA]  |
| Geosmin*                           | ng/L      | 2     | [NA]  | 7.6   |
| Hardness as CaCO <sub>3</sub>      | mg/L      | 1     | 62  | 71  |



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| <b>Sample No.:</b><br><b>Sample description:</b> | <b>Unit</b> | <b>LOR</b> | <b>21/1798-1</b><br><b>RVC</b><br><b>Finished</b><br><b>Water</b> | <b>21/1798-2</b><br><b>RVC Raw</b><br><b>Water</b> |
|--|-------------|------------|---|--|
| <b>Date sampled:</b>                             |             |            | <b>8/12/2021</b>  | <b>8/12/2021</b>                                   |
| <b>Time sampled:</b>                             |             |            | <b>12:50</b>  | <b>09:50</b>                                       |
| Heterotrophic Plate Count                        | MPN/mL      | 2          | <2  | 35,500   |
| Iron (Dissolved)                                 | mg/L        | 0.005      | <0.005  | 0.28   |
| Iron (Total)                                     | mg/L        | 0.005      | <0.005  | 4.3  |
| Magnesium  | mg/L        | 0.1        | 7.4   | 8.6  |
| Manganese (Dissolved)                            | mg/L        | 0.005      | <0.005  | <0.005   |
| Manganese (Total)                                | mg/L        | 0.005      | <0.005  | 0.19   |
| Nitrogen - Nitrate-N                             | mg/L        | 0.05       | 0.17  | 0.11   |
| Nitrogen - Nitrite-N                             | mg/L        | 0.01       | <0.01   | <0.01  |
| pH   | pH          |            | 7.4   | 7.4  |
| Phosphorus - Total                               | mg/L        | 0.05       | <0.05   | 0.59   |
| Suspended Solids                                 | mg/L        | 1          | 1   | 171  |
| Total Coliforms                                  | MPN/100mL   | 1          | <1  | 98,040   |
| Total Dissolved Solids by calc                   | mg/L        | 2          | 245   | 112  |
| Total Organic Carbon*                            | mg/L        | 1          | 3   | 8  |
| Total Trihalomethanes*                           | µg/L        | 1          | 80  | [NA]   |
| Turbidity  | NTU         | 0.1        | 0.26  | 130  |



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**End of results**

**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:**

V. Barnett  
Laboratory Analyst  
Approved Authoriser