

## LABORATORY REPORT

**Client:** Peter Caswell  
Reparator Pty Limited  
PO Box 1076  
Oxley 4075

**Job Name:** Repurator P/L - Isisford Drinking Water Analysis

**Sampled By:** Client  
**Sampling Method:** Grab  
**Sample Matrix:** Aqueous  
**Batch Number:** 19/02084  
**Registration Date:** 1 March 2019  
**Date of Report:** 8 March 2019

Note: Samples were received outside the recommended holding time for Microbiological analysis. This should be considered when reviewing these results.

### **Microbiology:**

The sample complied with the Australian Drinking Water Guidelines 2011 for microbiological quality. Compliance with these guidelines requires that no E. coli bacteria be detected in the sample.

### **Chemistry:**

The sample complied with the Health Guideline Values, for the parameters tested, in the Australian Drinking Water Guidelines 2011 for chemical quality. The sample complied with the Australian Drinking Water Guidelines 2011 Aesthetic Values, for all of the parameters tested.

John Bratt  
Authorised Signatory

Courtney Hamilton  
Authorised Signatory



ACCREDITED FOR  
**TECHNICAL  
COMPETENCE**  
Accredited for compliance  
with ISO/IEC 17025 - Testing

### **PLEASE NOTE:**

1. The results refer only to the samples tested.
2. All sampling performed by SAS Laboratory is in accordance with In-house Method F.001.
3. This document shall not be reproduced except in full, without written approval from SAS Laboratory.
4. Method with \* indicates NATA accreditation does not cover the performance of this service.

	<b>Test</b>	<b>Units</b>	<b>ADWG 2011 Guideline Limit</b>	<b>19/02084/1 Isisford Water Plant 26/02/2019 05:08</b>
	<b>Date Sampled</b>			
	<b>Time Sampled</b>			
4.418	E. coli Colilert	MPN/100mL	<1	<1
1.002	pH	pH Unit	6.5-8.5 <sup>a</sup>	6.6
1.007	Conductivity at 25°C	uS/cm	Not Set	240
Calc.	Total Dissolved Salts	mg/L	<600 <sup>a</sup>	150
5.102	Colour - Apparent	PCU	<15	3.2
5.101	Turbidity	NTU	<5 <sup>a</sup>	0.25
FIA.109	Chloride	mg/L	<250 <sup>a</sup>	41
FIA.008	Ammonia N	mg/L	<0.5 <sup>a</sup>	0.025
FIA.010C	Nitrate N (Calc)	mg/L	<11.0	<0.02
FIA.010A	Nitrite N	mg/L	<0.9	0.002
FIA.010B	Nitrite+Nitrate as N	mg/L	Not Set	0.012
5.308	Aluminium as Al	mg/L	<0.2 <sup>a</sup>	0.034
5.308	Arsenic as As	mg/L	<0.010	<0.001
5.308	Barium as Ba	mg/L	<2	0.074
5.308	Boron as B	mg/L	<4	<0.20
5.308	Cadmium as Cd	mg/L	<0.002	<0.0002
5.308	Calcium as Ca	mg/L	Not Set	14
5.308	Chromium as Cr	mg/L	<0.05	<0.001
5.308	Copper as Cu	mg/L	<2/<1 <sup>#</sup>	0.012
5.308	Iron as Fe	mg/L	<0.3 <sup>a</sup>	0.0028
5.308	Lead as Pb	mg/L	<0.01	0.0057
5.308	Magnesium as Mg	mg/L	Not Set	4.4
5.308	Total Hardness	mg/L	<200 <sup>a</sup>	52
5.308	Manganese as Mn	mg/L	<0.5/<0.1 <sup>#</sup>	0.008
5.308	Molybdenum as Mo	mg/L	<0.05	<0.001
5.308	Nickel as Ni	mg/L	<0.02	<0.001
5.308	Silica as SiO <sub>2</sub>	mg/L	<80 <sup>a</sup>	11.2
5.308	Sulphur as SO <sub>4</sub>	mg/L	<500/<250 <sup>#</sup>	16
5.308	Sodium as Na	mg/L	<180 <sup>a</sup>	16
5.308	Zinc as Zn	mg/L	<3 <sup>a</sup>	0.033
5.303	Mercury as Hg	µg/L	<1	<0.1

<sup>a</sup> Aesthetic guideline value only, no health guideline value set.

<sup>#</sup> Health guideline value / Aesthetic guideline value

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