



FINAL REPORT: 231219

This report shall not be reproduced, except in full without the written permission of the laboratory.

Report Information

Project Name	AWQC-127742
Customer	BAROSSA COUNCIL
CSR_ID	121518-2018-CSR-3

Analytical Results

Sampling Point	91058-Barossa Council - B.I.L. Discharge Point
Sampled Date	24/07/2018 5:59:00AM
Sample Received Date	24/07/2018 2:29:43PM
Sample Analysis Completed	2/08/2018 2:03:29PM
Sample ID	2018-005-4793
Status	Endorsed
Collection Type	Customer Collected

Bacteriology LOR Result

<i>Sample temperature at time of receipt 0.1°C</i>		
E.coli T0081-07(ADEL)		
E.coli		0 MPN/100mL

Inorganic Chemistry - Metals LOR Result

<i>Sample temperature at time of receipt 0.1°C</i>		
Aluminium - Total TIC-006(ADEL)		
Aluminium - Total	0.001	0.087 mg/L
Arsenic - Total TIC-006(ADEL)		
Arsenic - Total	0.0003	0.0006 mg/L
Beryllium - Total TIC-006(ADEL)		
Beryllium - Total	0.0003	<0.0003 mg/L
Boron - Soluble TIC-006(ADEL)		
Boron - Soluble	0.020	0.121 mg/L
Cadmium - Total TIC-006(ADEL)		
Cadmium - Total	0.0001	<0.0001 mg/L
Calcium TIC-004(ADEL)		
Calcium	0.1	25.9 mg/L
Chromium - Total TIC-006(ADEL)		
Chromium - Total	0.0001	0.0005 mg/L
Cobalt - Total TIC-006(ADEL)		
Cobalt - Total	0.0001	0.0002 mg/L
Copper - Total TIC-006(ADEL)		
Copper - Total	0.0001	0.0171 mg/L
Iron - Total TIC-006(ADEL)		
Iron - Total	0.0005	0.1220 mg/L
Lead - Total TIC-006(ADEL)		



- Notes
1. The last figure of the result value is a significant figure.
 2. # determination of the component is not covered by NATA Accreditation.
 3. ^ indicates result is out of specification according to the reference guideline. Refer to report footer.
 4. * indicates an incident has been recorded against the sample. Refer to report footer.
 5. & Indicates the results have changed since the last issued report.
 6. The Limit of Reporting (LOR) is the lowest concentration of analyte which is reported at the AWQC and is based on the LOQ rounded up to a more readily used value. The Limit of Quantitation (LOQ) is the lowest concentration of analyte for which quantitative results may be obtained within a specified degree of confidence.
 7. Where collection type is AWQC Collect, NATA has confirmed that due to a robust system in place for maintaining the temperature integrity for samples collected by AWQC's Field Laboratory Services, the recording of temperature when samples arrive at the AWQC is out of scope.
 8. Where applicable the Measurement of Uncertainty is available on our website www.awqc.com.au.
 9. If pH has been tested then the pH will be outside of its holding time unless measured in the field.
 10. (ADEL) indicates analysed in Adelaide, (MELB) indicates analysed in Melbourne.



FINAL REPORT: 231219

This report shall not be reproduced, except in full without the written permission of the laboratory.

Analytical Results

Sampling Point	91058-Barossa Council - B.I.L. Discharge Point	
Sampled Date	24/07/2018 5:59:00AM	
Sample Received Date	24/07/2018 2:29:43PM	
Sample Analysis Completed	2/08/2018 2:03:29PM	
Sample ID	2018-005-4793	
Status	Endorsed	
Collection Type	Customer Collected	

Lead - Total TIC-006(ADEL)		
Lead - Total	0.0001	0.0008 mg/L
Lithium - Total TIC-006(ADEL)		
Lithium - Total	0.0003	0.0060 mg/L
Magnesium TIC-004(ADEL)		
Magnesium	0.05	18.1 mg/L
Manganese - Total TIC-006(ADEL)		
Manganese - Total	0.0001	0.0331 mg/L
Mercury - Total TIC-006(ADEL)		
Mercury - Total	0.00003	<0.00003 mg/L
Molybdenum - Total TIC-006(ADEL)		
Molybdenum - Total	0.0001	0.0003 mg/L
Nickel - Total TIC-006(ADEL)		
Nickel - Total	0.0001	0.0018 mg/L
Selenium - Total TIC-006(ADEL)		
Selenium - Total	0.0001	0.0002 mg/L
Sodium Adsorption Ratio (ADEL)		
Sodium Adsorption Ratio - Calculation		5.31
Sodium TIC-004(ADEL)		
Sodium	0.1	144 mg/L
Uranium - Total TIC-006(ADEL)		
Uranium - Total	0.0001	0.0003 mg/L
Vanadium - Total TIC-006(ADEL)		
Vanadium - Total	0.0001	0.0008 mg/L
Zinc - Total TIC-006(ADEL)		
Zinc - Total	0.0003	0.0834 mg/L

Inorganic Chemistry - Nutrients	LOR	Result
--	------------	---------------

Sample temperature at time of receipt 0.1°C

Ammonia as N T0100-01(ADEL)		
Ammonia as N	0.5	17.0 mg/L
Fluoride T0105-01(ADEL)		
Fluoride	0.10	0.79 mg/L
Nitrate + Nitrite as N T0161-01(ADEL)		
Nitrate + Nitrite as N	0.06	3.59 mg/L



- Notes**
1. The last figure of the result value is a significant figure.
 2. # determination of the component is not covered by NATA Accreditation.
 3. ^ indicates result is out of specification according to the reference guideline. Refer to report footer.
 4. * indicates an incident has been recorded against the sample. Refer to report footer.
 5. & Indicates the results have changed since the last issued report.
 6. The Limit of Reporting (LOR) is the lowest concentration of analyte which is reported at the AWQC and is based on the LOQ rounded up to a more readily used value. The Limit of Quantitation (LOQ) is the lowest concentration of analyte for which quantitative results may be obtained within a specified degree of confidence.
 7. Where collection type is AWQC Collect, NATA has confirmed that due to a robust system in place for maintaining the temperature integrity for samples collected by AWQC's Field Laboratory Services, the recording of temperature when samples arrive at the AWQC is out of scope.
 8. Where applicable the Measurement of Uncertainty is available on our website www.awqc.com.au.
 9. If pH has been tested then the pH will be outside of its holding time unless measured in the field.
 10. (ADEL) indicates analysed in Adelaide, (MELB) indicates analysed in Melbourne.



FINAL REPORT: 231219

This report shall not be reproduced, except in full without the written permission of the laboratory.

Analytical Results

Sampling Point	91058-Barossa Council - B.I.L. Discharge Point
Sampled Date	24/07/2018 5:59:00AM
Sample Received Date	24/07/2018 2:29:43PM
Sample Analysis Completed	2/08/2018 2:03:29PM
Sample ID	2018-005-4793
Status	Endorsed
Collection Type	Customer Collected

Nitrate as N TMZ-M06(ADEL)		
Nitrate as Nitrogen		2.020 mg/L
Nitrite as N T0107-01(ADEL)		
Nitrite as Nitrogen	0.06	1.57 mg/L

Inorganic Chemistry - Waste Water **LOR** **Result**

<i>Sample temperature at time of receipt 0.1°C</i>		
Biochemical Oxygen Demand - Total T0153-01(ADEL)		
Biochemical Oxygen Demand	2	37 mg/L
Chemical Oxygen Demand - Total TMZ-M31(ADEL)		
Chemical Oxygen Demand	20	106 mg/L
Conductivity & Total Dissolved Solids T0016-01(ADEL)		
Conductivity	1.0	1260 µS/cm
Total Dissolved Solids (by EC)	1.0	690 mg/L
Grease and Oil T0166-03(ADEL)		
Grease and Oil	1	1 mg/L
pH T0010-02(ADEL)		
pH		7.3 pH units
Temperature at which pH is measured		19.4 °C
Phosphorus - Total T0109-06(ADEL)		
Phosphorus - Total	0.100	11.8 mg/L
Suspended Solids T0160-01(ADEL)		
Suspended Solids	1.0	24 mg/L
TKN as N T0112-06(ADEL)		
TKN as Nitrogen	2	25.6 mg/L



- Notes**
1. The last figure of the result value is a significant figure.
 2. # determination of the component is not covered by NATA Accreditation.
 3. ^ indicates result is out of specification according to the reference guideline. Refer to report footer.
 4. * indicates an incident has been recorded against the sample. Refer to report footer.
 5. & Indicates the results have changed since the last issued report.
 6. The Limit of Reporting (LOR) is the lowest concentration of analyte which is reported at the AWQC and is based on the LOQ rounded up to a more readily used value. The Limit of Quantitation (LOQ) is the lowest concentration of analyte for which quantitative results may be obtained within a specified degree of confidence.
 7. Where collection type is AWQC Collect, NATA has confirmed that due to a robust system in place for maintaining the temperature integrity for samples collected by AWQC's Field Laboratory Services, the recording of temperature when samples arrive at the AWQC is out of scope.
 8. Where applicable the Measurement of Uncertainty is available on our website www.awqc.com.au.
 9. If pH has been tested then the pH will be outside of its holding time unless measured in the field.
 10. (ADEL) indicates analysed in Adelaide, (MELB) indicates analysed in Melbourne.