

FINAL REPORT: 161031

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Report Information

Project Name AWQC-94785
 Customer BAROSSA COUNCIL
 CSR_ID 121518-2015-CSR-3

Analytical Results

Sampling Point 91058-Barossa Council - B.I.L. Discharge Point
 Sampled Date 30/07/2015 12:00:00AM
 Sample Received Date 30/07/2015 2:05:27PM
 Sample ID 2015-004-9713
 Status Endorsed
 Collection Type Customer Collected

Bacteriology	LOR	Result
<i>Sample temperature at time of receipt 8.3°C</i>		
E.coli T0081-07 WMZ-500		
E.coli		0 cfu/100mL

Inorganic Chemistry - Metals	LOR	Result
<i>Sample temperature at time of receipt 8.3°C</i>		
Aluminium - Total TIC-006 W09-023		
Aluminium - Total	0.001	0.047 mg/L
Arsenic - Total TIC-006 W09-023		
Arsenic - Total	0.0003	0.0005 mg/L
Beryllium - Total TIC-006 W09-023		
Beryllium - Total	0.0003	<0.0003 mg/L
Boron - Soluble TIC-006 W09-023		
Boron - Soluble	0.020	0.041 mg/L
Cadmium - Total TIC-006 W09-023		
Cadmium - Total	0.0001	<0.0001 mg/L
Calcium TIC-004 W09-023		
Calcium	0.1	27.4 mg/L
Chromium - Total TIC-006 W09-023		
Chromium - Total	0.0001	0.0004 mg/L
Cobalt - Total TIC-006 W09-023		
Cobalt - Total	0.0001	0.0002 mg/L
Copper - Total TIC-006 W09-023		
Copper - Total	0.0001	0.0181 mg/L
Iron - Total TIC-006 W09-023		
Iron - Total	0.0005	0.0858 mg/L
Lead - Total TIC-006 W09-023		
Lead - Total	0.0001	0.0007 mg/L
Lithium - Total TIC-006 W09-023		



Corporate Accreditation
 No.1115 Chemical and
 Biological Testing
 Accredited for compliance
 with ISO/IEC 17025

Notes

1. The last figure of the result value is a significant figure.
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3. # determination of the component is not covered by NATA Accreditation.
4. * indicates result is out of specification according to the reference Guideline. Refer to Report footer.
5. * indicates incident have been recorded against the sample. Refer to Report footer.
6. & indicates the results have changed since the last issued report.
7. 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.
8. 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.
9. Where applicable Measurement of Uncertainty is available upon request

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Lithium - Total TIC-006 W09-023

Lithium - Total 0.0003 0.0067 mg/L

Magnesium TIC-004 W09-023

Magnesium 0.05 18.2 mg/L

Manganese - Total TIC-006 W09-023

Manganese - Total 0.0001 0.0287 mg/L

Mercury - Total TIC-006 W09-023

Mercury - Total 0.00003 0.00037 mg/L

Molybdenum - Total TIC-006 W09-023

Molybdenum - Total 0.0001 0.0006 mg/L

Nickel - Total TIC-006 W09-023

Nickel - Total 0.0001 0.0014 mg/L

Selenium - Total TIC-006 W09-023

Selenium - Total 0.0001 0.0002 mg/L

Sodium Adsorption Ratio W09-023

Sodium Adsorption Ratio - Calculation 5.34

Sodium TIC-004 W09-023

Sodium 0.1 147 mg/L

Uranium - Total TIC-006 W09-023

Uranium - Total 0.0001 0.0003 mg/L

Vanadium - Total TIC-006 W09-023

Vanadium - Total 0.0001 0.0007 mg/L

Zinc - Total TIC-006 W09-023

Zinc - Total 0.0003 0.0609 mg/L

Inorganic Chemistry - Nutrients

LOR Result

Sample temperature at time of receipt 8.3°C

Fluoride T0105-01 W09-023

Fluoride 0.10 0.74 mg/L

Nitrate + Nitrite as N T0161-01 W09-023

Nitrate + Nitrite as N 0.06 8.44 mg/L

Nitrate as N W09-023

Nitrate as Nitrogen 0.005 8.35 mg/L

Nitrite as N T0107-01 W09-023

Nitrite as Nitrogen 0.06 0.090 mg/L



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Inorganic Chemistry - Waste Water LOR Result

Sample temperature at time of receipt 8.3°C

Ammonia as N T0100-01 W09-023

Ammonia as N	0.5	31.1 mg/L
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Biochemical Oxygen Demand - Total T0153-01 W09-023

Biochemical Oxygen Demand	2	13 mg/L
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Chemical Oxygen Demand - Total T0155-01 W09-023

Chemical Oxygen Demand	5	82 mg/L
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Conductivity & Total Dissolved Solids T0016-01 W09-023

Conductivity	1.0	1280 µScm
Total Dissolved Solids (by EC)	1.0	710 mg/L

Grease and Oil T0166-03 W09-023

Grease and Oil	1	3 mg/L
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pH T0010-02 W09-023

pH		7.3 pH units
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Phosphorus - Total T0109-01 W09-023

Phosphorus - Total	0.100	10.3 mg/L
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Suspended Solids T0160-01 W09-023

Suspended Solids	1.0	6 mg/L
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TKN as N T0112-01 W09-023

TKN as Nitrogen	2	37.1 mg/L
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