

Report No.: M231158

Issue Date: 1/09/23

 Accreditation No.: 12902  
Accredited for compliance with  
ISO/IEC 17025 - Testing

The results on this report relate only to the items tested and/or sampled.

**Attention:** Duncan Russ  
**Customer:** MidCoast Council (Forster) Landfills  
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 FORSTER NSW 2428

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**Fax No.:**  
**Customer ID:** G\_GLC\_LFIL

Sample No	Sampling Point	Sampled	Sampling Method	Time Sampled	Received	Testing Commenced	Authorised
M231158/1	Tuncurry MB:02	16/08/2023	3	11:30	16/08/2023	16/08/2023	1/09/2023
M231158/3	Tuncurry MB:04	16/08/2023	3	10:57	16/08/2023	16/08/2023	1/09/2023
M231158/4	Tuncurry MB:05	16/08/2023	3	11:09	16/08/2023	16/08/2023	1/09/2023

Sample Number Sampling Point Test / Method	NATA	*Unit	M231158/1 Tuncurry MB:02	M231158/3 Tuncurry MB:04	M231158/4 Tuncurry MB:05
<b>Metals Totals Digestion</b> Metals by ICPMS	Y	Done	Done	Done	Done
<b>Aluminium Total mg/L</b> Metals by ICPMS	Y	mg/L	0.143	0.523	0.692
<b>Arsenic Total mg/L</b> Metals by ICPMS	Y	mg/L	0.013	0.0004	0.010
<b>Barium Total mg/L</b> Metals by ICPMS	Y	mg/L	0.037	0.049	0.063
<b>Calcium Total mg/L</b> Metals by ICPMS	Y	mg/L	134	4.10	49.8
<b>Cadmium Total mg/L</b> Metals by ICPMS	Y	mg/L	<0.0001	<0.0001	<0.0001
<b>Chromium Total mg/L</b> Metals by ICPMS	Y	mg/L	0.0050	0.001	0.0080
<b>Cobalt Total mg/L</b> Metals by ICPMS	Y	mg/L	0.0017	0.0003	0.0034
<b>Copper Total mg/L</b> Metals by ICPMS	Y	mg/L	<0.0005	0.001	<0.0005
<b>Iron Total mg/L</b> Metals by ICPMS	Y	mg/L	15.8	0.600	3.62
<b>Potassium Total mg/L</b> Metals by ICPMS	Y	mg/L	51.0	6.60	61.3
<b>Magnesium Total mg/L</b> Metals by ICPMS	Y	mg/L	40.1	3.50	33.5
<b>Manganese Total mg/L</b> Metals by ICPMS	Y	mg/L	1.02	0.0040	0.270
<b>Sodium Total mg/L</b> Metals by ICPMS	Y	mg/L	79.8	17.8	128
<b>Lead Total mg/L</b> Metals by ICPMS	Y	mg/L	<0.0001	0.0001	0.0002
<b>Zinc Total mg/L</b> Metals by ICPMS	Y	mg/L	0.0020	<0.001	0.0040

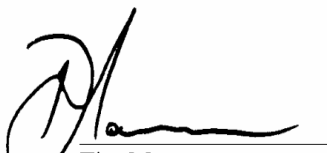
Sample Number Sampling Point Test / Method	NATA	*Unit	M231158/1 Tuncurry MB:02	M231158/3 Tuncurry MB:04	M231158/4 Tuncurry MB:05
<b>Non Purgeable TOC</b> LABC_NPOC_T (APHA 5310B and in-house)	Y	mg/L	58.0	4.7	75.0
<b>pH @ 25 degrees C by MT</b> LABC_MT_PH - (APHA 4500H+B and in-house)	Y	pH units	7.1	5.2	7.0
<b>Conductivity by ManTech</b> LABC_MT_COND - (APHA 2510B and in-house)	Y	uS/cm	1,560	183	1,800
<b>Total Alkalinity to pH 4.5 MT</b> LABC_MT_TOT_ALK - (APHA 2320B and in-house)	Y	mg CaCO <sub>3</sub> L	680	2.00	550
<b>Fluoride</b> LABC_IC_F - (APHA 4110 B and in-house)	Y	mg/L	<0.10	<0.10	<0.10
<b>Chloride</b> LABC_IC_Cl - (APHA 4110 B and in-house)	Y	mg/L	85.8	44.4	177
<b>Sulphate</b> LABC_IC_SO4 - (APHA 4110 B and in-house)	Y	mg SO <sub>4</sub> <sup>2-</sup> -L	<1.0	5.0	60
<b>Total Dissolved Solids</b> LABC14 - (APHA 2540 C and in- house)	Y	mg/L	910	120	860
<b>BOD5</b> LABC17 - (APHA 5210 B and in- house)	Y	mg/L	16	<2	10
<b>Total Suspended Solids</b> LABC44 - (APHA 2540 D and in- house)	Y	mg/L	<2	21	<2
<b>Ammonia Nitrogen</b> LABC31 - (APHA 4500-NH <sub>3</sub> H and in-house)	Y	mg N/L	35.3	0.17	50.9
<b>Oxidised Nitrogen</b> LABC32 - (APHA 4500-NO <sub>x</sub> I and in-house)	Y	mg N/L	<0.01	0.92	0.03
<b>Nitrite Nitrogen</b> LABC33 - (APHA 4500-NO <sub>2</sub> I and in-house)	Y	mg N/L	0.020	0.001	0.027
<b>Nitrate by calculation</b> LABC34 - (APHA 4500-NO <sub>3</sub> I and in-house)	Y	mg N/L	<0.01	0.92	<0.01
<b>Soluble Reactive Phosphorus</b> LABC38 - (APHA 4500-P G and in-house)	Y	mg P/L	0.027	<0.0050	0.018

**Sampling Methods Key**

1. Samples analysed as received
2. Samples collected by LABS01 - Drinking Water
3. Samples collected by LABS03 - Groundwater

This Report is linked to Sydney Water Report No:290319

**Where a result is required to meet a compliance limit or specification, the associated uncertainty must be considered. Measurement Uncertainty estimates are available for all accredited test results on request.**



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