

Cootamundra Gundagai Regional Council

Tuesday, February 13, 2024

PO Box 420

Cootamundra NSW 2590

Attention: Andrew Brock



**NATA Accredited Laboratory
Number: 9597**

**Accredited for compliance with
ISO/IEC 17025 - Testing**

LABORATORY ANALYSIS REPORT

Report Number:2401-0002

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For all enquiries related to this report please quote document number: 2401-0002

<u>Facility:</u>	<u>Order #</u>	<u>Date Analysis Commenced</u>
		08-January-2024

<u>Sample Type</u>	<u>Collected By</u>	<u>Date Received</u>
Groundwater	Client	08-January-2024

<u>EAL ID</u>	<u>Client ID.</u> Date/Time sample taken	<u>Test</u>	<u>Result (units)</u>	<u>Method Reference</u>	<u>Limit of Reporting</u>
24Jan-0002	Tip Dam 1 Surface (EPA Pt1) 03.01.24 7.23am				
		Alkalinity, Total as CaCO3	107 mg/L	APHA 2320 B	2
		Ammonia as N	0.6 mg/L	LTM-W-042	0.1
		Calcium (acid extractable)	46.9 mg/L	APHA 3030 E/3120 B	2
		Chloride	577 mg/L	* APHA 4500-CI E	0.1
		Total Chlorinated Volatile Compounds	<0.002 mg/L	Analysis by ALS Melb. (acc no. 992)	0.001
		Conductivity	2060 µS/cm	APHA 2510 B	1
		Fluoride	0.2 mg/L	Analysis by ALS, Melbourne (acc no. 992)	
		Iron (acid extractable)	0.78 mg/L	APHA 3030 E/3120 B	0.01
		Magnesium (acid extractable)	23.8 mg/L	APHA 3030 E/3120 B	2
		Manganese (acid extractable)	0.805 mg/L	APHA 3030 E/3120 B	0.001
		Nitrate as N	0.5 mg/L	LTM-W-014	0.1
		Phenolics - Total	0.4 mg/L	* APHA 5530 D	0.2
		pH	7.3 pH units	APHA 4500-H+ B	
		Potassium (acid extractable)	36.9 mg/L	APHA 3030 E/3120 B	2
		Sodium (acid extractable)	246 mg/L	APHA 3030 E/3120 B	2
		Refer to ALS Report Number:	24-06745	Analysis by ALS, Melbourne (acc no. 992)	
		Sulfate	48.0 mg/L	Analysis by ALS, Melbourne (acc no. 992)	
		Total Organic Carbon	15 mg/L	Analysis by ALS Melbourne (acc no: 992)	
		Total Suspended Solids	38 mg/L	APHA 2540 D	2

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Groundwater	Client	08-January-2024

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24Jan-0003	Tip Dam 2 Surface (EPA Pt4) 03.01.24 7.12am	Cyanide	0.006 mg/L	* APHA 4500-CN E	0.002
		Phenolics - Total	6.6 mg/L	* APHA 5530 D	0.2
		Refer to ALS Report Number:	24-06745	Analysis by ALS, Melbourne (acc no. 992)	
24Jan-0004	Tip Dam 3 Surface (EPA Pt5) 03.01.24 7.08am	Cyanide	0.003 mg/L	* APHA 4500-CN E	0.002
		Phenolics - Total	0.9 mg/L	* APHA 5530 D	0.2
		Refer to ALS Report Number:	24-06745	Analysis by ALS, Melbourne (acc no. 992)	
24Jan-0005	Tip Dam 4 Surface (Pending) 03.01.24	Alkalinity, Total as CaCO3	109 mg/L	APHA 2320 B	2
		Ammonia as N	0.3 mg/L	LTM-W-042	0.1
		Calcium (acid extractable)	137 mg/L	APHA 3030 E/3120 B	2
		Chloride	2710 mg/L	* APHA 4500-Cl E	0.1
		Total Chlorinated Volatile Compounds	<0.002 mg/L	Analysis by ALS Melb. (acc no. 992)	0.001
		Conductivity	8300 µS/cm	APHA 2510 B	1
		Fluoride	0.2 mg/L	Analysis by ALS, Melbourne (acc no. 992)	
		Iron (acid extractable)	0.25 mg/L	APHA 3030 E/3120 B	0.01
		Magnesium (acid extractable)	93.9 mg/L	APHA 3030 E/3120 B	2
		Manganese (acid extractable)	1.27 mg/L	APHA 3030 E/3120 B	0.001
		Nitrate as N	1.2 mg/L	LTM-W-014	0.1

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24Jan-0005	Tip Dam 4 Surface (Pending) 03.01.24	Phenolics - Total	0.6 mg/L	* APHA 5530 D	0.2
		pH	7.1 pH units	APHA 4500-H+ B	
		Potassium (acid extractable)	118 mg/L	APHA 3030 E/3120 B	2
		Sodium (acid extractable)	1140 mg/L	APHA 3030 E/3120 B	2
		Refer to ALS Report Number:	24-06745	Analysis by ALS, Melbourne (acc no. 992)	
		Sulfate	110 mg/L	Analysis by ALS, Melbourne (acc no. 992)	
		Total Organic Carbon	16 mg/L	Analysis by ALS Melbourne (acc no: 992)	
		Total Suspended Solids	51 mg/L	APHA 2540 D	2

Note:

** NATA Accreditation does not cover the performance of this service.*



**Charles Sturt
University**

**ENVIRONMENTAL AND ANALYTICAL
LABORATORIES**

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Signed Michael Glazier, Laboratory Manager.

*All samples analysed as received.
All soil results are reported on a dry basis.
The EAL takes no responsibility for the end use of results within this report.
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This report replaces any previously issued report*

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