



## CERTIFICATE OF ANALYSIS

Work Order	: ES2439056	Page	: 1 of 7
Client	: Department of Climate Change, Energy, the Environment and Water	Laboratory	: Environmental Division Sydney
Contact Address	: [REDACTED]	Contact Address	: Customer Services ES [REDACTED]
Telephone	: [REDACTED]	Telephone	: [REDACTED]
Project	: Darling Baaka River Health Program	Date Samples Received	: 29-Nov-2024 11:30
Order number	: ----	Date Analysis Commenced	: 03-Dec-2024
C-O-C number	: ----	Issue Date	: 03-Dec-2024 10:57
Sampler	: ----		
Site	: ----		
Quote number	: ES24DEPENWAT0001		
No. of samples received	: 25		
No. of samples analysed	: 25		



Accreditation No. 825  
Accredited for compliance with  
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

### Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	Position	Accreditation Category
[REDACTED]	Senior Chemist - Inorganics	Sydney Inorganics, Smithfield, NSW

Page : 2 of 7  
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### General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contract for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.  
LOR = Limit of reporting  
^ = This result is computed from individual analyte detections at or above the level of reporting  
ø = ALS is not NATA accredited for these tests.  
~ = Indicates an estimated value.



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	S1	S2	S3	S4	S5
Sampling date / time					12-Nov-2024 00:00	12-Nov-2024 00:00	12-Nov-2024 00:00	14-Nov-2024 00:00	14-Nov-2024 00:00
Compound	CAS Number	LOR	Unit	ES2439056-001	ES2439056-002	ES2439056-003	ES2439056-004	ES2439056-005	
Result				Result	Result	Result	Result	Result	
EP002: Dissolved Organic Carbon (DOC)									
Dissolved Organic Carbon	----	1	mg/L	7	7	7	7	7	8



Analytical Results

Sub-Matrix: <b>WATER</b> (Matrix: <b>WATER</b> )				Sample ID	S6	S7	S8	S9	S10
Sampling date / time					14-Nov-2024 00:00	14-Nov-2024 00:00	16-Nov-2024 00:00	10-Nov-2024 00:00	16-Nov-2024 00:00
Compound	CAS Number	LOR	Unit		ES2439056-006	ES2439056-007	ES2439056-008	ES2439056-009	ES2439056-010
					Result	Result	Result	Result	Result
EP002: Dissolved Organic Carbon (DOC)									
Dissolved Organic Carbon	----	1	mg/L		10	7	9	8	9



Analytical Results

Sub-Matrix: <b>WATER</b> (Matrix: <b>WATER</b> )				Sample ID	S11	S12	S13	S14	S16
Sampling date / time					20-Nov-2024 00:00	15-Nov-2024 00:00	15-Nov-2024 00:00	17-Nov-2024 00:00	15-Nov-2024 00:00
Compound	CAS Number	LOR	Unit	ES2439056-011	ES2439056-012	ES2439056-013	ES2439056-014	ES2439056-015	
Result				Result	Result	Result	Result	Result	
EP002: Dissolved Organic Carbon (DOC)									
Dissolved Organic Carbon	----	1	mg/L	9	9	8	11	11	



Analytical Results

Sub-Matrix: <b>WATER</b> (Matrix: <b>WATER</b> )				Sample ID	S17	S18	S19	S20	S29
Sampling date / time					13-Nov-2024 00:00	13-Nov-2024 00:00	13-Nov-2024 00:00	13-Nov-2024 00:00	11-Nov-2024 00:00
Compound	CAS Number	LOR	Unit		ES2439056-016	ES2439056-017	ES2439056-018	ES2439056-019	ES2439056-020
					Result	Result	Result	Result	Result
EP002: Dissolved Organic Carbon (DOC)									
Dissolved Organic Carbon	----	1	mg/L		14	16	12	11	16



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	S30	S31	B1	B2	B3
Sampling date / time					11-Nov-2024 00:00	11-Nov-2024 00:00	18-Nov-2024 00:00	18-Nov-2024 00:00	18-Nov-2024 00:00
Compound	CAS Number	LOR	Unit	ES2439056-021	ES2439056-022	ES2439056-023	ES2439056-024	ES2439056-025	
				Result	Result	Result	Result	Result	
EP002: Dissolved Organic Carbon (DOC)									
Dissolved Organic Carbon	----	1	mg/L	15	15	10	9	22	