



## CERTIFICATE OF ANALYSIS

Work Order	: ES2432460	Page	: 1 of 9
Client	: Department of Climate Change, Energy, the Environment and Water	Laboratory	: Environmental Division Sydney
Contact	: [REDACTED]	Contact	: [REDACTED]
Address	: [REDACTED]	Address	: [REDACTED]
Telephone	: [REDACTED]	Telephone	: [REDACTED]
Project	: Darling Baaka River Health Program	Date Samples Received	: 03-Oct-2024 18:15
Order number	: [REDACTED]	Date Analysis Commenced	: 08-Oct-2024
C-O-C number	: [REDACTED]	Issue Date	: 08-Oct-2024 11:10
Sampler	: [REDACTED]		
Site	: [REDACTED]		
Quote number	: ES24DEPENWAT0001		
No. of samples received	: 32		
No. of samples analysed	: 32		



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

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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					09-Sep-2024 00:00	09-Sep-2024 00:00	09-Sep-2024 00:00	10-Sep-2024 00:00	10-Sep-2024 00:00
Compound	CAS Number	LOR	Unit	ES2432460-001	ES2432460-002	ES2432460-003	ES2432460-004	ES2432460-005	
				Result	Result	Result	Result	Result	
EP002: Dissolved Organic Carbon (DOC)									
Dissolved Organic Carbon	----	1	mg/L	11	7	7	9	7	



Analytical Results

Sub-Matrix: <b>WATER</b> (Matrix: <b>WATER</b> )				Sample ID	S6	S7	S8	S9	S10
Sampling date / time					10-Sep-2024 00:00	10-Sep-2024 00:00	10-Sep-2024 00:00	11-Sep-2024 00:00	17-Sep-2024 00:00
Compound	CAS Number	LOR	Unit		ES2432460-006	ES2432460-007	ES2432460-008	ES2432460-009	ES2432460-010
					Result	Result	Result	Result	Result
EP002: Dissolved Organic Carbon (DOC)									
Dissolved Organic Carbon	----	1	mg/L		7	8	9	10	12



Analytical Results

Sub-Matrix: <b>WATER</b> (Matrix: <b>WATER</b> )				Sample ID	S11	S12	S13	S14	S17
Sampling date / time					11-Sep-2024 00:00	17-Sep-2024 00:00	17-Sep-2024 00:00	17-Sep-2024 00:00	23-Sep-2024 00:00
Compound	CAS Number	LOR	Unit		ES2432460-011	ES2432460-012	ES2432460-013	ES2432460-014	ES2432460-015
					Result	Result	Result	Result	Result
EP002: Dissolved Organic Carbon (DOC)									
Dissolved Organic Carbon	----	1	mg/L		10	11	11	16	15



Analytical Results

Sub-Matrix: <b>WATER</b> (Matrix: <b>WATER</b> )				Sample ID	S18	S19	S20	S21	S22
Sampling date / time					24-Sep-2024 00:00	24-Sep-2024 00:00	19-Sep-2024 00:00	24-Sep-2024 00:00	18-Sep-2024 00:00
Compound	CAS Number	LOR	Unit	ES2432460-016	ES2432460-017	ES2432460-018	ES2432460-019	ES2432460-020	
				Result	Result	Result	Result	Result	
EP002: Dissolved Organic Carbon (DOC)									
Dissolved Organic Carbon	----	1	mg/L	14	13	11	10	13	



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	S23	S24	S25	S26	S27
Sampling date / time					18-Sep-2024 00:00	24-Sep-2024 00:00	18-Sep-2024 00:00	18-Sep-2024 00:00	23-Sep-2024 00:00
Compound	CAS Number	LOR	Unit	ES2432460-021	ES2432460-022	ES2432460-023	ES2432460-024	ES2432460-025	
				Result	Result	Result	Result	Result	
EP002: Dissolved Organic Carbon (DOC)									
Dissolved Organic Carbon	----	1	mg/L	15	23	21	21	20	



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	S28	S29	S30	S31	B1
Sampling date / time					23-Sep-2024 00:00	06-Sep-2024 00:00	06-Sep-2024 00:00	06-Sep-2024 00:00	17-Sep-2024 00:00
Compound	CAS Number	LOR	Unit	ES2432460-026	ES2432460-027	ES2432460-028	ES2432460-029	ES2432460-030	
				Result	Result	Result	Result	Result	
EP002: Dissolved Organic Carbon (DOC)									
Dissolved Organic Carbon	----	1	mg/L	18	20	25	26	11	





Analytical Results

Sub-Matrix: <b>WATER</b> (Matrix: <b>WATER</b> )				Sample ID	B2	B3	---	---	---
Sampling date / time					11-Sep-2024 00:00	17-Sep-2024 00:00	---	---	---
Compound	CAS Number	LOR	Unit		ES2432460-031	ES2432460-032	-----	-----	-----
					Result	Result	---	---	---
EP002: Dissolved Organic Carbon (DOC)									
Dissolved Organic Carbon	---	1	mg/L		10	16	---	---	---