



CERTIFICATE OF ANALYSIS

Work Order	: ES2421740	Page	: 1 of 9
Client	: Department of Climate Change, Energy, the Environment and Water	Laboratory	: Environmental Division Sydney
Contact	: [REDACTED]	Contact	: Customer Services ES
Address	: [REDACTED]	Address	: [REDACTED]
Telephone	: [REDACTED]	Telephone	: [REDACTED]
Project	: Darling Baaka River Health Program	Date Samples Received	: 02-Jul-2024 15:30
Order number	: [REDACTED]	Date Analysis Commenced	: 04-Jul-2024
C-O-C number	: [REDACTED]	Issue Date	: 04-Jul-2024 14:55
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	DBRH-Z-01	Site 2	Site 3	Site 4	Site 5
Sampling date / time					24-Jun-2024 00:00	24-Jun-2024 00:00	24-Jun-2024 00:00	24-Jun-2024 00:00	24-Jun-2024 00:00
Compound	CAS Number	LOR	Unit		ES2421740-001	ES2421740-002	ES2421740-003	ES2421740-004	ES2421740-005
					Result	Result	Result	Result	Result
EP002: Dissolved Organic Carbon (DOC)									
Dissolved Organic Carbon	----	1	mg/L		11	11	11	12	10



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	Site 6	Site 7	Site 8	Site 9	Site 10
Sampling date / time					24-Jun-2024 00:00	24-Jun-2024 00:00	24-Jun-2024 00:00	24-Jun-2024 00:00	24-Jun-2024 00:00
Compound	CAS Number	LOR	Unit		ES2421740-006	ES2421740-007	ES2421740-008	ES2421740-009	ES2421740-010
					Result	Result	Result	Result	Result
EP002: Dissolved Organic Carbon (DOC)									
Dissolved Organic Carbon	----	1	mg/L		10	11	11	26	12



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	Site 11	Site 12	Site 13	Site 14	Site 15
Sampling date / time					24-Jun-2024 00:00	24-Jun-2024 00:00	24-Jun-2024 00:00	24-Jun-2024 00:00	24-Jun-2024 00:00
Compound	CAS Number	LOR	Unit	ES2421740-011	ES2421740-012	ES2421740-013	ES2421740-014	ES2421740-015	
				Result	Result	Result	Result	Result	
EP002: Dissolved Organic Carbon (DOC)									
Dissolved Organic Carbon	----	1	mg/L	12	11	12	13	12	



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	Site 16	Site 17	Site 18	Site 19	Site 20
Sampling date / time					24-Jun-2024 00:00	24-Jun-2024 00:00	24-Jun-2024 00:00	24-Jun-2024 00:00	24-Jun-2024 00:00
Compound	CAS Number	LOR	Unit	ES2421740-016	ES2421740-017	ES2421740-018	ES2421740-019	ES2421740-020	
Result				Result	Result	Result	Result	Result	
EP002: Dissolved Organic Carbon (DOC)									
Dissolved Organic Carbon	----	1	mg/L	12	11	11	11	11	11



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	Site 21	Site 22	Site 23	Site 24	Site 25
Sampling date / time					24-Jun-2024 00:00	24-Jun-2024 00:00	24-Jun-2024 00:00	24-Jun-2024 00:00	24-Jun-2024 00:00
Compound	CAS Number	LOR	Unit	ES2421740-021	ES2421740-022	ES2421740-023	ES2421740-024	ES2421740-025	
				Result	Result	Result	Result	Result	
EP002: Dissolved Organic Carbon (DOC)									
Dissolved Organic Carbon	----	1	mg/L	11	10	11	16	16	



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	Site 26	Site 29	Site 30	Site 31	B1
Sampling date / time					24-Jun-2024 00:00	24-Jun-2024 00:00	24-Jun-2024 00:00	24-Jun-2024 00:00	24-Jun-2024 00:00
Compound	CAS Number	LOR	Unit	ES2421740-026	ES2421740-027	ES2421740-028	ES2421740-029	ES2421740-030	
Result				Result	Result	Result	Result	Result	
EP002: Dissolved Organic Carbon (DOC)									
Dissolved Organic Carbon	----	1	mg/L	16	15	14	14	12	



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	B2	B3	----	----	----
Sampling date / time					24-Jun-2024 00:00	24-Jun-2024 00:00	----	----	----
Compound	CAS Number	LOR	Unit		ES2421740-031	ES2421740-032	-----	-----	-----
					Result	Result	----	----	----
EP002: Dissolved Organic Carbon (DOC)									
Dissolved Organic Carbon	----	1	mg/L		12	21	----	----	----