



CERTIFICATE OF ANALYSIS

Work Order	: ES2427879	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	: 26-Aug-2024 11:55
Order number	: [REDACTED]	Date Analysis Commenced	: 28-Aug-2024
C-Q-C number	: [REDACTED]	Issue Date	: 28-Aug-2024 14:48
Sampler	: [REDACTED]		
Site	: [REDACTED]		
Quote number	: ES24DEPENWAT0001		
No. of samples received	: 31		
No. of samples analysed	: 31		



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	S4	S5	S6	S7	S8
Sampling date / time					09-Aug-2024 00:00	09-Aug-2024 00:00	09-Aug-2024 00:00	14-Aug-2024 00:00	14-Aug-2024 00:00
Compound	CAS Number	LOR	Unit	ES2427879-001	ES2427879-002	ES2427879-003	ES2427879-004	ES2427879-005	
				Result	Result	Result	Result	Result	
EP002: Dissolved Organic Carbon (DOC)									
Dissolved Organic Carbon	----	1	mg/L	10	10	11	12	13	



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	S9	S10	S11	S12	S13
Sampling date / time					14-Aug-2024 00:00	08-Aug-2024 00:00	21-Aug-2024 00:00	08-Aug-2024 00:00	20-Aug-2024 00:00
Compound	CAS Number	LOR	Unit	ES2427879-006	ES2427879-007	ES2427879-008	ES2427879-009	ES2427879-010	
				Result	Result	Result	Result	Result	
EP002: Dissolved Organic Carbon (DOC)									
Dissolved Organic Carbon	----	1	mg/L	16	12	11	12	12	



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	S14	S15	S16	S17	S18
Sampling date / time					20-Aug-2024 00:00	15-Aug-2024 00:00	15-Aug-2024 00:00	10-Aug-2024 00:00	15-Aug-2024 00:00
Compound	CAS Number	LOR	Unit	ES2427879-011	ES2427879-012	ES2427879-013	ES2427879-014	ES2427879-015	
				Result	Result	Result	Result	Result	
EP002: Dissolved Organic Carbon (DOC)									
Dissolved Organic Carbon	----	1	mg/L	12	16	15	16	15	



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	S19	S20	S21	S22	S23
Sampling date / time					15-Aug-2024 00:00	13-Aug-2024 00:00	12-Aug-2024 00:00	12-Aug-2024 00:00	12-Aug-2024 00:00
Compound	CAS Number	LOR	Unit	ES2427879-016	ES2427879-017	ES2427879-018	ES2427879-019	ES2427879-020	
				Result	Result	Result	Result	Result	
EP002: Dissolved Organic Carbon (DOC)									
Dissolved Organic Carbon	----	1	mg/L	15	47	12	12	8	



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	S24	S25	S26	S27	S28
Sampling date / time					11-Aug-2024 00:00	11-Aug-2024 00:00	11-Aug-2024 00:00	13-Aug-2024 00:00	13-Aug-2024 00:00
Compound	CAS Number	LOR	Unit	ES2427879-021	ES2427879-022	ES2427879-023	ES2427879-024	ES2427879-025	
				Result	Result	Result	Result	Result	
EP002: Dissolved Organic Carbon (DOC)									
Dissolved Organic Carbon	----	1	mg/L	19	17	16	18	19	



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	S29	S30	S31	B1	B2
Sampling date / time					14-Aug-2024 00:00	10-Aug-2024 00:00	10-Aug-2024 00:00	08-Aug-2024 00:00	08-Aug-2024 00:00
Compound	CAS Number	LOR	Unit	ES2427879-026	ES2427879-027	ES2427879-028	ES2427879-029	ES2427879-030	
				Result	Result	Result	Result	Result	
EP002: Dissolved Organic Carbon (DOC)									
Dissolved Organic Carbon	----	1	mg/L	23	21	19	12	12	



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	B3	---	---	---	---
				Sampling date / time	20-Aug-2024 00:00	---	---	---	---
Compound	CAS Number	LOR	Unit	ES2427879-031					
				Result	---	---	---	---	---
EP002: Dissolved Organic Carbon (DOC)									
Dissolved Organic Carbon	---	1	mg/L	18	---	---	---	---	---