

## **CERTIFICATE OF ANALYSIS**

**Work Order** : **CA2404906** Page : 1 of 6

Client : Southern Meats Laboratory : ALS Water Resources Group

Contact : Mick Sperring Contact : Client Services

Address : Mazamet Road : 2/33 Couranga Cr Hume ACT Australia 2620

Goulburn NSW 2580
Telephone : ----

Telephone : ---- Telephone : +61 2 6202 5404

Project : Water Sampling Quarterly Date Samples Received : 01-Aug-2024 13:15

Order number : --- Date Analysis Commenced
C-O-C number : --- Issue Date

Sampler : Mick Sperring

Site : STHMEATS\_Water\_Sampling

Quote number : --
No. of samples received : 8

No. of samples analysed : 8

NATA

Accreditation No. 992

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.

: 02-Aug-2024

: 14-Aug-2024 15:12

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
Amanda Gonzalez	Laboratory Technician	Inorganics, Hume, ACT
Geetha Ramasundara	Chemistry Teamleader	Inorganics, Hume, ACT
Titus Vimalasiri	Metals Teamleader	Inorganics, Hume, ACT

Page : 2 of 6 Work Order : CA2404906

Client : Southern Meats

Project : Water Sampling Quarterly



#### **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.
- For samples collected by ALS WRG, sampling was carried out in accordance with Procedure EN67
- Result for pH in water tested in the laboratory may be indicative only as holding time is generally not achievable.

 Page
 : 3 of 6

 Work Order
 : CA2404906

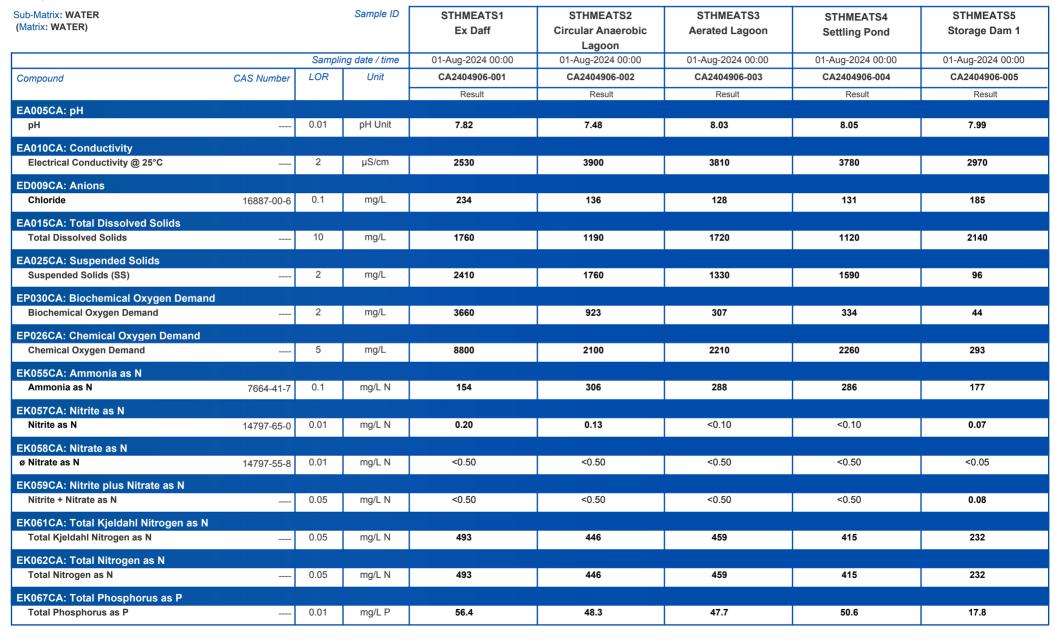
 Client
 : Southern Meats

: Southern Meats
- Water Sampling Quarterly



### **Analytical Results**

**Project** 



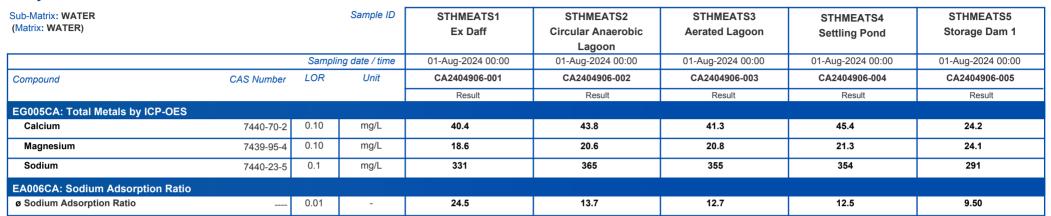


Page : 4 of 6
Work Order : CA2404906

Client : Southern Meats

Project : Water Sampling Quarterly

#### **Analytical Results**





Page : 5 of 6 : CA2404906 Work Order : Southern Meats Client Project

Water Sampling Quarterly

# Analytical Results



Sub-Matrix: WATER (Matrix: WATER)		Sampli	Sample ID  ng date / time	STHMEATS6 Storage Dam 2 01-Aug-2024 00:00	STHMEATS7 Run Off Dam 1 01-Aug-2024 00:00	STHMEATS8 Run Off Dam 2 01-Aug-2024 00:00		
Compound	CAS Number	LOR	Unit	CA2404906-006 Result	CA2404906-007  Result	CA2404906-008 Result		
EA005CA: pH				roout	result	roduit		
рН		0.01	pH Unit	8.04	8.13	8.04		
EA010CA: Conductivity								
Electrical Conductivity @ 25°C		2	μS/cm	3090	1200	3090		
D009CA: Anions		3						
Chloride	16887-00-6	0.1	mg/L	187	98.7	187		
A015CA: Total Dissolved Solids		3						
Total Dissolved Solids		10	mg/L	1410	760	1290		
A025CA: Suspended Solids								
Suspended Solids (SS)		2	mg/L	124	64	60		
P030CA: Biochemical Oxygen Demand								
Biochemical Oxygen Demand		2	mg/L	55	31	61		
P026CA: Chemical Oxygen Demand		3						
Chemical Oxygen Demand		5	mg/L	370	254	373		
EK055CA: Ammonia as N		4						
Ammonia as N	7664-41-7	0.1	mg/L N	185	12.6	185		
EK057CA: Nitrite as N								
Nitrite as N	14797-65-0	0.01	mg/L N	0.04	0.34	0.04		
EK058CA: Nitrate as N								
ø Nitrate as N	14797-55-8	0.01	mg/L N	<0.05	7.65	<0.05		
:K059CA: Nitrite plus Nitrate as N								
Nitrite + Nitrate as N		0.05	mg/L N	0.07	7.99	0.06		
EK061CA: Total Kjeldahl Nitrogen as N								
Total Kjeldahl Nitrogen as N		0.05	mg/L N	242	28.6	194		
EK062CA: Total Nitrogen as N								
Total Nitrogen as N		0.05	mg/L N	242	36.6	194	<b></b>	
K067CA: Total Phosphorus as P								
Total Phosphorus as P		0.01	mg/L P	23.0	13.1	22.4	<b></b>	
G005CA: Total Metals by ICP-OES								

Page : 6 of 6
Work Order : CA2404906

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## Analytical Results

Sub-Matrix: WATER			Sample ID	STHMEATS6	STHMEATS7	STHMEATS8		
(Matrix: WATER)				Storage Dam 2	Run Off Dam 1	Run Off Dam 2		
		Sampli	ng date / time	01-Aug-2024 00:00	01-Aug-2024 00:00	01-Aug-2024 00:00		
Compound	CAS Number	LOR	Unit	CA2404906-006	CA2404906-007	CA2404906-008		
				Result	Result	Result		
EG005CA: Total Metals by ICP-OES	- Continued							
Calcium	7440-70-2	0.10	mg/L	25.6	17.6	25.8		
Magnesium	7439-95-4	0.10	mg/L	23.6	13.9	23.7		
Sodium	7440-23-5	0.1	mg/L	305	185	306		
EA006CA: Sodium Adsorption Ratio								
ø Sodium Adsorption Ratio		0.01	-	10.8	8.11	10.6		