



## ANALYTICAL SERVICES TASMANIA

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Submission Number: 2-25-0990  
Report Number: 44439  
Issue Date: 6/03/2025  
Status: Interim

# CERTIFICATE OF ANALYSIS

Customer: EPA Tasmania  
Address: GPO Box 1550 HOBART TAS 7001

Submission Description: Conleys Beach - Bruny Island  
Sample Received Date: 03/03/2025  
Contract Number: 2907  
Client Order Number:

*Sample(s) analysed as received. Sampling date and time data supplied by the client. The document shall not be reproduced except in full.*

*Additional information relating to this submission can be found in the sample receipt notification.*

*This report supersedes any previous reports with this submission number.*

*Many tests specify a holding time which gives the recommended timeframe by which a sample should be preserved/extracted and/or analysed after the sample is taken.*

*Holding time information can be found on the AST website <https://analyticalservices.tas.gov.au/our-services/containers-samples-and-submissions>.*

*Whilst every effort is made to analyse samples within these timeframes, situations can occur where this is not possible.*

*Where a test has been conducted outside the recommended sample holding time this should be taken into account when interpreting results.*

### The results in this report were authorised by:

Name	Position
██████████	Chemist

**Test Information:**

<i>Method ID</i>	<i>Test Description</i>	<i>Date Commenced:</i>
2001	Moisture in Soil and Other Solids at 104 ± 3 °C	03-03-2025
2419	Lipid Biomarkers in Soil and other Solids by GC-MS	N/A
2419F	Lipid Biomarkers in Soil and other Solids by GC-MS (Fatty Acid Profile)	N/A
2419P	Sample Preparation for Lipid Biomarkers in Solids by GC-MS	04-03-2025
2515	Antibiotics in Soil by LC-MS/MS	04-03-2025
2515P	Sample Preparation for Antibiotics in Soil	04-03-2025

*Sample Comments***Sample Number: 254544****2001 Moisture in Soil and Other Solids at 104 ± 3 °C**

There was insufficient sample material to perform a Dry Matter Fraction. All results are reported on a Wet Matter Basis (WMB).

**2515 Antibiotics in Soil by LC-MS/MS**

Limit or Reporting increased for all samples due to limited sample size. All results are reported on a Wet Matter Basis due to limited sample size.

**Chemistry Test Results (Soil - Sediment - Solid Waste)**

		Sample Description	Conleys Beach 1 N	Conleys Beach 2 S	Conleys Beach 3 S	Conleys Beach 4 S	Conleys Beach 5 S	Conleys Beach 6 S
		Sampled Date/ Time	02/03/25 13:20	02/03/25 13:35	02/03/25 13:40	02/03/25 13:45	02/03/25 13:50	02/03/25 13:58
Method ID	Analyte	Units	254544	254545	254546	254547	254548	254549
2419	22-Dehydrocholesterol	µg/g DMB	Pending	Pending	Pending	Pending	Pending	Pending
	24:0 n-alkanol	µg/g DMB	Pending	Pending	Pending	Pending	Pending	Pending
	24-ethylcoprostanol	µg/g DMB	Pending	Pending	Pending	Pending	Pending	Pending
	24-Ethyl-epi-coprostanol	µg/g DMB	Pending	Pending	Pending	Pending	Pending	Pending
	24-Methylenecholesterol	µg/g DMB	Pending	Pending	Pending	Pending	Pending	Pending
	26:0 n-alkanol	µg/g DMB	Pending	Pending	Pending	Pending	Pending	Pending
	28:0 n-alkanol	µg/g DMB	Pending	Pending	Pending	Pending	Pending	Pending
	5α-Cholestanol	µg/g DMB	Pending	Pending	Pending	Pending	Pending	Pending
	Brassicasterol	µg/g DMB	Pending	Pending	Pending	Pending	Pending	Pending
	Campesterol	µg/g DMB	Pending	Pending	Pending	Pending	Pending	Pending
	Cholesterol	µg/g DMB	Pending	Pending	Pending	Pending	Pending	Pending
	Coprostanol	µg/g DMB	Pending	Pending	Pending	Pending	Pending	Pending
	Desmosterol	µg/g DMB	Pending	Pending	Pending	Pending	Pending	Pending
	Dinosterol	µg/g DMB	Pending	Pending	Pending	Pending	Pending	Pending
	Epicoprostanol	µg/g DMB	Pending	Pending	Pending	Pending	Pending	Pending
	Ergosterol	µg/g DMB	Pending	Pending	Pending	Pending	Pending	Pending
	Isofucosterol	µg/g DMB	Pending	Pending	Pending	Pending	Pending	Pending
	Phytol	µg/g DMB	Pending	Pending	Pending	Pending	Pending	Pending
	Sitostanol	µg/g DMB	Pending	Pending	Pending	Pending	Pending	Pending
	Sitosterol	µg/g DMB	Pending	Pending	Pending	Pending	Pending	Pending
β-Amyrin	µg/g DMB	Pending	Pending	Pending	Pending	Pending	Pending	
Stigmasterol	µg/g DMB	Pending	Pending	Pending	Pending	Pending	Pending	
α-Amyrin	µg/g DMB	Pending	Pending	Pending	Pending	Pending	Pending	
2419F	16 PUFA Hexadecatetraenoic Acid	%	Pending	Pending	Pending	Pending	Pending	Pending
	14:0 Mystric Acid	%	Pending	Pending	Pending	Pending	Pending	Pending
	15:0 Pentadecanoic Acid	%	Pending	Pending	Pending	Pending	Pending	Pending
	16:0 Palmitic Acid	%	Pending	Pending	Pending	Pending	Pending	Pending
	16:1ω5 Hexadeconoic Acid	%	Pending	Pending	Pending	Pending	Pending	Pending

\* NATA accreditation does not cover this result

**Chemistry Test Results (Soil - Sediment - Solid Waste)**

		Sample Description	Conleys Beach 1 N	Conleys Beach 2 S	Conleys Beach 3 S	Conleys Beach 4 S	Conleys Beach 5 S	Conleys Beach 6 S
		Sampled Date/ Time	02/03/25 13:20	02/03/25 13:35	02/03/25 13:40	02/03/25 13:45	02/03/25 13:50	02/03/25 13:58
Method ID	Analyte	Units	254544	254545	254546	254547	254548	254549
2419F	16:1ω7 Palmitoleic Acid	%	Pending	Pending	Pending	Pending	Pending	Pending
	17:0 Margaric Acid	%	Pending	Pending	Pending	Pending	Pending	Pending
	18:0 Stearic Acid	%	Pending	Pending	Pending	Pending	Pending	Pending
	18:1ω7 Vaccenic Acid	%	Pending	Pending	Pending	Pending	Pending	Pending
	18:1ω9 Oleic Acid	%	Pending	Pending	Pending	Pending	Pending	Pending
	18:2ω6 Linoleic Acid	%	Pending	Pending	Pending	Pending	Pending	Pending
	18:3ω3 α-Linolenic Acid	%	Pending	Pending	Pending	Pending	Pending	Pending
	18:3ω6 γ-Linolenic Acid	%	Pending	Pending	Pending	Pending	Pending	Pending
	18:4ω3 Stearidonic Acid	%	Pending	Pending	Pending	Pending	Pending	Pending
	20:0 Arachidic Acid	%	Pending	Pending	Pending	Pending	Pending	Pending
	20:1ω11 Gadoleic Acid	%	Pending	Pending	Pending	Pending	Pending	Pending
	20:1ω9 Gondoic Acid	%	Pending	Pending	Pending	Pending	Pending	Pending
	20:2ω6 Eicosadienoic Acid	%	Pending	Pending	Pending	Pending	Pending	Pending
	20:4ω6 Arachidonic Acid	%	Pending	Pending	Pending	Pending	Pending	Pending
	20:5ω3 Eicosapentaenoic Acid	%	Pending	Pending	Pending	Pending	Pending	Pending
	22:0 Behenic Acid	%	Pending	Pending	Pending	Pending	Pending	Pending
	22:1ω11 Docosenoic Acid	%	Pending	Pending	Pending	Pending	Pending	Pending
	22:1ω9 Erucic Acid	%	Pending	Pending	Pending	Pending	Pending	Pending
	22:5ω3 Docosapentaenoic Acid	%	Pending	Pending	Pending	Pending	Pending	Pending
	22:6ω3 Docosahexaenoic Acid	%	Pending	Pending	Pending	Pending	Pending	Pending
24:0 Lignoceric Acid	%	Pending	Pending	Pending	Pending	Pending	Pending	
Interpretive Report	-		Pending	Pending	Pending	Pending	Pending	Pending
	α15:0 Methyltetradecanoic Acid	%	Pending	Pending	Pending	Pending	Pending	Pending
	α17:0 Methylhexanoic Acid	%	Pending	Pending	Pending	Pending	Pending	Pending
	ι15:0 Methyltetradecanoic Acid	%	Pending	Pending	Pending	Pending	Pending	Pending
	ι16:0 Methylpentadecanoic Acid	%	Pending	Pending	Pending	Pending	Pending	Pending
	ι17:0 Methylhexadecanoic Acid	%	Pending	Pending	Pending	Pending	Pending	Pending
2515	Oxytetracycline	mg/kg DMB	13*		<0.10*	<0.05*	<0.10*	<0.05*

\* NATA accreditation does not cover this result

