



Terra Scientific Limited

Client Number 9655

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Authorised Representative

Ms Jessica Griffin
Managing Director

Programme

Chemical Testing Laboratory

Accreditation Number 1334

Initial Accreditation Date 1 August 2019

Conformance Standard

ISO/IEC 17025:2017

General requirements for the competence of testing and calibration laboratories

Laboratory Services Summary

2.41	Waters
2.58	Environmental Monitoring
2.64	Asbestos

Key Technical Personnel

Ms Jessica Griffin	2.41, 2.58, 2.64 (a)(b)
Dr Hayley Jensen	2.41 (selected), 2.58 (selected), 2.64 (b)
Mrs Jenny Nichols	2.41 (selected), 2.64 (a)(b)
Mrs Pabasara Ratnayake	2.41, 2.58

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2.41 Waters

- (a) Potable waters
- (b) Non-potable waters
- (c) Sewage
- (d) Effluents and trade wastes
- (g) Marine waters

In accordance with APHA "Standard Methods for the Examination of Water and Wastewater" (Online Edition).

Conductivity	2510 B
Fixed and Volatile Dissolved Solids	2540 E (modified)
Fixed and Volatile Suspended Solids	2540 E
Fixed and Volatile Total Solids	2540 E
pH	4500-H+
Settleable Solids	2540 F
Total Dissolved Solids	2540 C (modified)
Total Solids	2540 B
Total Suspended Solids	2540 D

- (c) Sewage
- (d) Effluents and trade waste

Total, Fixed and Volatile Solids in Solid and Semi Solid Samples	2540 G
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2.58 Environmental Monitoring

- (a) Waters
- (c) Soils and sludges

The following elements by ICP-MS in accordance with in-house procedures based on EPA 200.2:

Aluminium	Antimony	Arsenic	Barium
Beryllium	Boron	Cadmium	Calcium
Chromium	Cobalt	Copper	Iron
Lead	Lithium	Magnesium	Manganese
Mercury	Molybdenum	Nickel	Potassium
Silver	Sodium	Strontium	Uranium
Vanadium	Zinc		

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(c) Soils and sludges

The following elements by ICP-MS in accordance with in-house procedures based on EPA 200.2:

Selenium

The following compounds by GC-MS/MS in accordance with in-house procedures based on EPA 3546, 8270E and 3620C:

SVOCs including OCPs and PAHs

2.64 Asbestos

(a) Identification

Bulk identification of asbestos in manufacturing and processed products, ores and soils.

AS 4964:2004 Method for the Qualitative Identification of Asbestos in Bulk Samples.

(b) Fibre Counts


Analysis

Determination of air-borne asbestos fibre counts on membrane filters.

National Occupational Health & Safety Commission: 3003(2005) Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres (2nd Ed).

References:

- APHA American Public Health Association
- AS Australian Standards

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