

## Certificate of Analysis

Meinhardt Infrastructure and Environment Pty Ltd  
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NATA Accredited  
 Accreditation Number 1261  
 Site Number 18217

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 The results of the tests, calibrations and/or  
 measurements included in this document are traceable  
 to Australian/national standards.

Attention: **Ken Douglas-Hill**

Report **511514-W**  
 Project name PORTLAND LANDFILL  
 Project ID 115659P  
 Received Date Aug 10, 2016

<b>Client Sample ID</b>			<b>SW1</b>
<b>Sample Matrix</b>			<b>Water</b>
<b>Eurofins   mgt Sample No.</b>			<b>S16-Au11637</b>
<b>Date Sampled</b>			<b>Aug 09, 2016</b>
Test/Reference	LOR	Unit	
Ammonia (as N)	0.01	mg/L	0.02
Chemical Oxygen Demand (COD)	25	mg/L	< 25
Chloride	1	mg/L	89
Conductivity (at 25°C)	1	uS/cm	1100
Fluoride	0.5	mg/L	< 0.5
Nitrate (as N)	0.02	mg/L	5.6
pH	0.1	pH Units	6.7
Phenolics (total)	0.05	mg/L	< 0.05
Sulphate (as S)	2	mg/L	58
Suspended Solids	5	mg/L	13
Total Organic Carbon	5	mg/L	< 5
<b>Alkalinity (speciated)</b>			
Bicarbonate Alkalinity (as CaCO <sub>3</sub> )	5	mg/L	210
Carbonate Alkalinity (as CaCO <sub>3</sub> )	5	mg/L	< 5
Total Alkalinity (as CaCO <sub>3</sub> )	5	mg/L	210
<b>Heavy Metals</b>			
Aluminium	0.05	mg/L	0.15
Chromium	0.001	mg/L	< 0.001
Iron	0.05	mg/L	0.18
Manganese	0.005	mg/L	0.007
<b>Alkali Metals</b>			
Calcium	0.5	mg/L	85
Magnesium	0.5	mg/L	22
Potassium	0.5	mg/L	64
Sodium	0.5	mg/L	45