



CERTIFICATE OF ANALYSIS

Work Order : **EW1512532**
Client : **WOLLONGONG CITY COUNCIL**
Contact : **MR WAYDE PETERSON**
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Telephone : **+61 02 4227 7111**
Facsimile : **+61 02 4227 7277**
Project : **Helensburgh Leachate Quarterly**
Order number : **3044522**
C-O-C number : **----**
Sampler : **Craig Wilson**
Site : **----**

Quote number : **----**

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Laboratory : **Environmental Division NSW South Coast**
Contact : **Glenn Davies**
Address : **1/19 Ralph Black Dr, North Wollongong 2500**
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Australia
E-mail : **glenn.davies@alsglobal.com**
Telephone : **02 42253125**
Facsimile : **W 02 42253128 N 02 44232083**
QC Level : **NEPM 2013 Schedule B(3) and ALS QCS3 requirement**
Date Samples Received : **11-Nov-2015 14:05**
Date Analysis Commenced : **11-Nov-2015**
Issue Date : **16-Nov-2015 09:01**

No. of samples received : **1**
No. of samples analysed : **1**

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results



NATA Accredited Laboratory 825
Accredited for compliance with
ISO/IEC 17025.

Signatories

This document has been electronically signed by the authorized signatories indicated below. Electronic signing has been carried out in compliance with procedures specified in 21 CFR Part 11.

<i>Signatories</i>	<i>Position</i>	<i>Accreditation Category</i>
Glenn Davies	Environmental Services Representative	Laboratory - Wollongong



General Comments

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by 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.

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

∅ = ALS is not NATA accredited for these tests.

- Sampling and sample data supplied by ALS Wollongong.
- Sampling completed as per FWI-EN002 Surface Water Sampling.
- Field tests completed on day of sampling/receipt.

Analytical Results

Sub-Matrix: WATER (Matrix: WATER)		Client sample ID			Leachate	----	----	----	----
Client sampling date / time		11-Nov-2015 11:25			----	----	----	----	
Compound	CAS Number	LOR	Unit	EW1512532-001	-----	-----	-----	-----	
				Result	Result	Result	Result	Result	
EA010FD: Field Conductivity									
Electrical Conductivity (Non Compensated)	----	1	µS/cm	1090	----	----	----	----	