



## Certificate Of Analysis

**Client:** Kyogle Council (Tradewaste & Environmental)

**Address:** PO Box 11

Kyogle NSW 2474

**Contact:** David Bell

**Sampled by:** AH, MW, JA

**Subcontract Laboratory:** Envirolab (NATA 2901)

**Subcontract Reference:** 120611 & A

*Sampled in accordance with RWL 2.0 to 2.05*

KSC Landfill Monitoring- Leachate

**Report no:** 14/2038

**Date sampled:** 5/12/2014

**Date received:** 5/12/2014

**Date reported:** 18/12/2014

**No. of samples:** 2

**Revision no:** 00

**Testing commenced:** 5/12/2014

PARAMETER	Unit	Method	LOR	14/2038/1 Leachate Pond West 1	14/2038/2 Leachate Pond East 2
pH	pH	APHA4500H	0.1	8.5	9.4
Electrical Conductivity	µS/cm	APHA2510B	1	1,104	1,111
Chloride	mg/L	RWL 10.09	2	205	265
Sulphate#	mg/L	RWL 10.10	2	<2	8
Ammonia-N	mg/L	RWL 10.06	0.01	0.54	0.010
Nitrogen - Nitrate-N	mg/L	RWL 10.05	0.05	0.080	0.10
Nitrogen - Nitrite-N	mg/L	RWL 10.05	0.01	0.030	0.030
Nitrogen - Total	mg/L	RWL 10.04	0.1	7.0	9.2
Alkalinity (as CaCO3)	mg/L	APHA2320B	20	233	139
Arsenic (Total)	mg/L	APHA3120B	0.005	<0.005	<0.005
Iron (Total)	mg/L	APHA3120B	0.005	0.67	4.24
Manganese (Total)	mg/L	APHA3120B	0.005	0.18	0.16
Calcium	mg/L	APHA3120B	0.1	30.6	18.2
Potassium	mg/L	APHA3120B	0.1	30	30
Magnesium	mg/L	APHA3120B	0.1	19	15
Sodium	mg/L	APHA3120B	0.15	19	164



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PARAMETER	Unit	Method	LOR	14/2038/1 Leachate Pond West 1	14/2038/2 Leachate Pond East 2
Dissolved Organic Carbon*	mg/L	Envirolab	1	36	31
TRHC10-C14*	µg/L	Envirolab	50	<50	<50
TRHC15-C28*	µg/L	Envirolab	100	<100	300
TRHC29-C36*	µg/L	Envirolab	100	<100	<100

Comments:

A. Hawthorne  
Laboratory Manager  
Approved Authoriser

This report must not be reproduced except in full.  
This report relates only to the items tested as specified herein.  
Samples analysed between date of sampling and date reported.

Accredited for compliance with ISO/IEC 17025.  
# NATA accreditation does not cover the performance of this service.  
Tests marked with a '\*' are subcontracted.  
LOR denotes 'Limit of Reporting'.