



Certificate Of Analysis

Client: Kyogle Council (Tradewaste & Environmental)
Address: PO Box 11
Kyogle NSW 2474
Contact: Andrew Clark
Sampled by: Michael Rowe
Subcontract Laboratory: Envirolab (NATA 2901)
Subcontract Reference: 101885

Sampled in accordance with RWL 2.0 to 2.05

KSC Landfill Monitoring - SW

Report no: 13/2074
Date sampled: 2/12/2013
Date received: 2/12/2013
Date reported: 17/12/2013
No. of samples: 3
Revision no: 00
Testing commenced: 2/12/2013

| PARAMETER | Unit | Method | LOR | 13/2074/1 SW2 | 13/2074/2 Sediment Pond 1 | 13/2074/3 Discharge Point Borrow Pit |
|---------------------------|-------|------------|-------|------------------|---------------------------------|---|
| TRHC10-C14* | µg/L | USEPA 8000 | 50 | <50 | <50 | <50 |
| TRHC15-C28* | µg/L | USEPA 8000 | 100 | <100 | <100 | <100 |
| TRHC29-C36* | µg/L | USEPA 8000 | 100 | <100 | <100 | <100 |
| Dissolved Organic Carbon* | mg/L | Envirolab | 1 | 11 | 19 | 3.0 |
| pH | pH | APHA4500H | 0.1 | 7.1 | 7.3 | 7.1 |
| Electrical Conductivity | µS/cm | APHA2510B | 1 | 240 | 218 | 147 |
| Arsenic (Total) | mg/L | APHA3120B | 0.005 | <0.005 | <0.005 | <0.005 |
| Iron (Total) | mg/L | APHA3120B | 0.005 | 1.12 | 1.60 | 6.74 |
| Manganese (Total) | mg/L | APHA3120B | 0.005 | 0.030 | 0.16 | 0.050 |
| Calcium | mg/L | APHA3120B | 0.1 | 12.2 | 12.9 | 2.1 |
| Potassium | mg/L | APHA3120B | 0.1 | 0.60 | 7.3 | 2.8 |
| Magnesium | mg/L | APHA3120B | 0.1 | 8.2 | 4.8 | 1.7 |
| Sodium | mg/L | APHA3120B | 0.15 | 25 | 20 | 21 |
| Chloride | mg/L | RWL 10.09 | 2 | 36 | 22 | 31 |
| Nitrogen - Total | mg/L | RWL 10.04 | 0.1 | 0.52 | 1.7 | 1.5 |



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|------------------------------------|------|-----------|------|------------------|---------------------------------|---|
| Ammonia-N | mg/L | RWL 10.06 | 0.01 | <0.010 | <0.010 | 2.4 |
| Nitrogen - Nitrite-N | mg/L | RWL 10.05 | 0.01 | <0.010 | <0.010 | 0.030 |
| Nitrogen - Nitrate-N | mg/L | RWL 10.05 | 0.05 | <0.050 | <0.050 | 0.44 |
| Alkalinity (as CaCO ₃) | mg/L | APHA2320B | 20 | 63 | 61 | <20 |
| Suspended Solids | mg/L | APHA2540D | 1 | 4 | 20 | 110 |

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'.