

RESULTS OF WATER ANALYSIS (Page 1 of 1)

1 sample supplied by WormTec on the 16th January, 2008 - Lab. Job No. E8596.

Analysis requested by Greg Plevy. Your Project: Worm Cast Extract #1.

| PARAMETER | METHODS REFERENCE | Sample 1 Worm Cast Extract #1 |
|--|--|----------------------------------|
| | <i>Job No.</i> | <i>E8596/1</i> |
| pH | APHA 4500-H ⁺ -B | 6.80 |
| CONDUCTIVITY (EC) (dS/m) | APHA 2510-B | 0.61 |
| TOTAL PHOSPHORUS (mg/L P) | APHA 4500 P-H | 19.43 |
| ORTHOPHOSPHATE (mg/L P) | APHA 4500 P-G | 14.55 |
| TOTAL NITROGEN (mg/L N) | APHA 4500 N-C | 50.75 |
| TOTAL KJELDAHL NITROGEN (mg/L N) | CALCULATION: TN - NO _x | 22.39 |
| NITRATE (mg/L N) | APHA 4500 NO ₃ ⁻ -F | 28.34 |
| NITRITE (mg/L N) | APHA 4500 NO ₂ ⁻ -C | 0.022 |
| AMMONIA (mg/L N) | APHA 4500 NH ₃ -H | 0.028 |
| SODIUM (mg/L) | ** APHA 3120 ICPOES ^{note 2} | 27.6 |
| POTASSIUM (mg/L) | ** APHA 3120 ICPOES ^{note 2} | 68.7 |
| CALCIUM (mg/L) | ** APHA 3120 ICPOES ^{note 2} | 23.9 |
| MAGNESIUM (mg/L) | ** APHA 3120 ICPOES ^{note 2} | 13.5 |
| SODIUM ABSORPTION RATIO | BY CALCULATION | 1.1 |
| CHLORIDE (mg/L) | ** APHA 4500-Cl ⁻ | 40 |
| SULPHATE (mg/L SO ₄ ²⁻) | ** APHA 3120 ICPOES ^{note 2} | 16 |
| E.Coli (cfu/100 ml) | ** ColiBlue Membrane Filtration | 120 |
| SILVER (mg/L) | ** APHA 3120 ICPMS ^{note 1&2} | <0.005 |
| ALUMINIUM (mg/L) | ** APHA 3120 ICPMS/OES ^{note 1&2} | 1.207 |
| ARSENIC (mg/L) | ** APHA 3120 ICPMS ^{note 1&2} | 0.012 |
| CADMIUM (mg/L) | ** APHA 3120 ICPMS ^{note 1&2} | <0.005 |
| CHROMIUM (mg/L) | ** APHA 3120 ICPMS ^{note 1&2} | 0.004 |
| COPPER (mg/L) | ** APHA 3120 ICPMS ^{note 1&2} | 0.034 |
| IRON (mg/L) | ** APHA 3120 ICPMS/OES ^{note 1&2} | 2.423 |
| MANGANESE (mg/L) | ** APHA 3120 ICPMS/OES ^{note 1&2} | 0.186 |
| NICKEL (mg/L) | ** APHA 3120 ICPMS ^{note 1&2} | 0.005 |
| LEAD (mg/L) | ** APHA 3120 ICPMS ^{note 1&2} | 0.005 |
| SELENIUM (mg/L) | ** APHA 3120 ICPMS ^{note 1&2} | <0.005 |
| ZINC (mg/L) | ** APHA 3120 ICPMS ^{note 1&2} | 0.108 |
| MERCURY (mg/L) | ** APHA 3120 ICPMS ^{note 1&2} | <0.001 |

Notes:

- 1 a. **Total Available metals** - samples acidified with nitric acid and then filtered through 0.45µm cellulose acetate
2. Metals/ salts analysed by ICP-MS (Inductively Coupled Plasma - Mass Spectrometry) or ICP-OES (Inductively Coupled Plasma - Optical Emission Spectrometry)
3. 1 mg/L (milligram per litre) = 1 ppm (part per million) = 1000 µg/L (micrograms per litre)= 1000 ppb (part per billion)
4. For conductivity - 1 dS/m = 1 mS/cm = 1000 µS/cm
5. No other pesticides occurred above reportable levels for chemicals screened in the attached list
6. For Bacteria - cfu= colony forming unit
7. Analysis performed according to APHA, 1998, "Standard Methods for the Examination of Water & Wastewater", 20th Edition, except where stated otherwise.
8. Analysis conducted between sample arrival date and Report provision date
9. ** denotes these test procedures are as yet not NATA registered but quality control data is available