

REPORT NO.  
F07005-6006  
ACCOUNT NUMBER  
63512

**A & L GREAT LAKES LABORATORIES, INC.**  
3505 Conestoga Drive • Fort Wayne, Indiana 46808-4413 • Phone 260-483-4759 • Fax 260-483-5274  
www.algreatlakes.com • lab@algreatlakes.com



TO: ANGELINA-NECHES RIVER AUTHOR.  
PO BOX 387  
LUFKIN, TX 75902-0387

FOR: STOCKPILE 123  
STA

COPY: AL RATTIE

ATTN: DALE BAILEY

LAB NUMBER: 34053  
SAMPLE ID: STOCKPILE 123

**COMPOST ANALYSIS REPORT**

DATE SAMPLED: 01/04/2007  
DATE RECEIVED: 01/05/2007  
DATE REPORTED: 01/29/2007

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| PARAMETER          | UNIT  | ANALYSIS RESULT | DRY BASIS RESULT | ANALYSIS METHOD     |
|--------------------|-------|-----------------|------------------|---------------------|
| Moisture @ 70 C    | %     | 44.38           |                  | TMECC 03.09-A       |
| Dry Matter         | %     | 55.62           |                  | TMECC 03.09-A       |
| Total Nitrogen (N) | %     | 0.87            | 1.56             | TMECC 04.02-D       |
| Phosphorus (P)     | %     | 0.50            | 0.90             | TMECC 04.03-A       |
| Phosphate (P205)   | %     | 1.15            | 2.07             | TMECC 04.03-A       |
| Potassium (K)      | %     | 0.10            | 0.18             | TMECC 04.04-A       |
| Potash (K2O)       | %     | 0.12            | 0.22             | TMECC 04.04-A       |
| Magnesium (Mg)     | %     | 0.07            | 0.12             | TMECC 04.05-MG      |
| Calcium (Ca)       | %     | 0.48            | 0.87             | TMECC 04.05-CA      |
| Arsenic            | mg/kg | 1.754           | 3.153            | SW846-6020 04.06-As |
| Cadmium            | mg/kg | 0.58            | 1.04             | SW846-6020 04.06-Cd |
| Chromium           | mg/kg | 6.19            | 11.13            | SW846-6020 04.06-Cr |
| Copper             | mg/kg | 76.41           | 137.38           | SW846-6020 04.06-Cu |
| Mercury            | mg/kg | 0.30            | 0.54             | SW846-6020 04.06-Hg |
| Molybdenum         | mg/kg | 5.43            | 9.76             | SW846-6020 04.06-Mo |
| Nickel             | mg/kg | 3.93            | 7.06             | SW846-6020 04.06-Ni |
| Lead               | mg/kg | 11.11           | 19.97            | SW846-6020 04.06-Pb |

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|---------------------------------------|----------------------------------|-----------------|------------------|----------------------|
| Selenium                              | mg/kg                            | 1.424           | 2.561            | SW846-6020 04.06-Se  |
| Zinc                                  | mg/kg                            | 158.17          | 284.37           | SW846-6020 04.06-Zn  |
| pH                                    | -                                | 4.3             |                  | TMECC 04.11-A        |
| Soluble Salts                         | dS/m                             | 4.11            |                  | TMECC 04.10-A        |
| Fecal Coliform/MPN                    | MPN/g dry                        |                 | 4                | SM(20th)-9221E TMECC |
| Organic Matter by LOI @ 550C          | %                                | 26.52           | 47.68            | TMECC 05.07-A        |
| Organic Carbon by LOI @ 550C          | %                                | 13.26           | 23.84            | Estimated            |
| Carbon:Nitrogen Ratio (C:N)           | -                                | 15.3:1          | 15.3:1           | TMECC 05.02-A        |
| Germination - Emergence               | %                                | 99              |                  | TMECC 05.05-B        |
| Germination - Vigor                   | %                                | 60              |                  | TMECC 05.05-B        |
| Ave Ht of Seedlings in Control        | inches                           | 2.5             |                  | TMECC 05.05-B        |
| Ave Ht of Seedlings in Compost        | inches                           | 2.3             |                  | TMECC 05.05-B        |
| Respiration - CO <sub>2</sub> -C/g TS | mg CO <sub>2</sub> -C / g TS/Day |                 | 1                | TMECC 05.08-B        |
| Respiration - CO <sub>2</sub> -C/g OM | mg CO <sub>2</sub> -C / g OM/Day |                 | 1                | TMECC 05.08-B        |
| Compost Stability Index               | -                                |                 | Very Stable      | TMECC 05.08          |
| Retained on U.S. 2-inch Sieve         | %                                |                 | 0.00             | TMECC 02.02-B        |
| Retained on U.S. 1-inch Sieve         | %                                |                 | 0.00             | TMECC 02.02-B        |

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|----------------------------|------|-----------------|------------------|-----------------|
| Retained on U.S. 5/8-inch  | %    |                 | 0.00             | TMECC 02.02-B   |
| Retained on U.S. 3/8-inch  | %    |                 | 1.53             | TMECC 02.02-B   |
| Retained on U.S. 1/4-inch  | %    |                 | 3.28             | TMECC 02.02-B   |
| Retained on U.S. 5/32-inch | %    |                 | 10.74            | TMECC 02.02-B   |