

REPORT NO.
F11075-6004
ACCOUNT NUMBER
63512

A & L GREAT LAKES LABORATORIES, INC.

3505 Conestoga Drive • Fort Wayne, IN 46808 • Phone 260-483-4759 • Fax 260-483-5274
www.algreatlakes.com • lab@algreatlakes.com



QUALITY ANALYSES FOR INFORMED DECISIONS

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

FOR: STOCKPILE 190

COPY: AL RATTIE

STA

ATTN: KELLEY HOLCOMB

LAB NUMBER: 54374

SAMPLE ID: NECHES COMPOST FACILITY STOCKPILE 190

COMPOST ANALYSIS REPORT

DATE SAMPLED: 03/15/2011

DATE RECEIVED: 03/16/2011

DATE REPORTED: 04/04/2011

PAGE: 1

| PARAMETER | UNIT | ANALYSIS RESULT | DRY BASIS RESULT | ANALYSIS METHOD |
|--------------------|-------|-----------------|------------------|---------------------|
| Moisture @ 70 C | % | 51.88 | | TMECC 03.09-A |
| Dry Matter | % | 48.12 | | TMECC 03.09-A |
| Total Nitrogen (N) | % | 1.10 | 2.28 | TMECC 04.02-D |
| Phosphorus (P) | % | 0.39 | 0.82 | TMECC 04.03-A |
| Phosphate (P205) | % | 0.91 | 1.89 | TMECC 04.03-A |
| Potassium (K) | % | 0.15 | 0.31 | TMECC 04.04-A |
| Potash (K2O) | % | 0.18 | 0.37 | TMECC 04.04-A |
| Magnesium (Mg) | % | 0.08 | 0.16 | TMECC 04.05-MG |
| Calcium (Ca) | % | 0.82 | 1.70 | TMECC 04.05-CA |
| Arsenic | mg/kg | 1.362 | 2.831 | SW846-6020 04.06-As |
| Cadmium | mg/kg | 0.246 | 0.512 | SW846-6020 04.06-Cd |
| Chromium | mg/kg | 4.84 | 10.06 | SW846-6020 04.06-Cr |
| Copper | mg/kg | 91.02 | 189.15 | SW846-6020 04.06-Cu |

TMECC - Test Methods for the Examination of Composting and Compost, The U.S. Composting Council.

Report Approved By:

Lois K. Parker - President

Approval Date: 4/04/2011

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|------------------------------|-----------|-----------------|------------------|----------------------|
| Mercury | mg/kg | | < 0.59 | SW846-6020 04.06-Hg |
| Molybdenum | mg/kg | 1.43 | 2.97 | SW846-6020 04.06-Mo |
| Nickel | mg/kg | 3.85 | 8.00 | SW846-6020 04.06-Ni |
| Lead | mg/kg | 5.78 | 12.02 | SW846-6020 04.06-Pb |
| Selenium | mg/kg | 1.23 | 2.56 | SW846-6020 04.06-Se |
| Zinc | mg/kg | 122.8 | 255.4 | SW846-6020 04.06-Zn |
| pH | - | 6.0 | | TMECC 04.11-A |
| Soluble Salts | dS/m | 2.56 | | TMECC 04.10-A |
| Fecal Coliform/MPN | MPN/g dry | | 10 | SM(20th)-9221E TMECC |
| Organic Matter by LOI @ 550C | % | 28.85 | 59.95 | TMECC 05.07-A |
| Organic Carbon by LOI @ 550C | % | 14.42 | 29.97 | Estimated |
| Carbon:Nitrogen Ratio (C:N) | - | 13.1:1 | 13.1:1 | TMECC 05.02-A |
| Germination - Emergence | % | 92 | | TMECC 05.05-A |

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|---------------------------------------|----------------------------------|-----------------|------------------|-----------------|
| Germination - Vigor | % | 65 | | TMECC 05.05-A |
| Ave Ht of Seedlings in Control | inches | 3.1 | | TMECC 05.05-A |
| Ave Ht of Seedlings in Compost | inches | 2.7 | | TMECC 05.05-A |
| Respiration - CO ₂ -C/g TS | mg CO ₂ -C / g TS/Day | | 1 | TMECC 05.08-B |
| Respiration - CO ₂ -C/g OM | mg CO ₂ -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 |
| Retained on U.S. 5/8-inch | % | | 1.48 | TMECC 02.02-B |
| Retained on U.S. 3/8-inch | % | | 4.64 | TMECC 02.02-B |
| Retained on U.S. 1/4-inch | % | | 9.86 | TMECC 02.02-B |
| Retained on U.S. 5/32-inch | % | | 15.04 | TMECC 02.02-B |