

REPORT NO.  
F11005-6002  
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 188

COPY: AL RATTIE

STA

ATTN: KELLEY HOLCOMB

LAB NUMBER: 53769

SAMPLE ID: L&L COMPOST STOCKPILE 188

## COMPOST ANALYSIS REPORT

DATE SAMPLED: 01/04/2011

DATE RECEIVED: 01/05/2011

DATE REPORTED: 01/31/2011 PAGE: 1

PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Moisture @ 70 C	%	34.24		TMECC 03.09-A
Dry Matter	%	65.76		TMECC 03.09-A
Total Nitrogen (N)	%	1.03	1.56	TMECC 04.02-D
Phosphorus (P)	%	0.58	0.88	TMECC 04.03-A
Phosphate (P205)	%	1.33	2.02	TMECC 04.03-A
Potassium (K)	%	0.13	0.20	TMECC 04.04-A
Potash (K2O)	%	0.16	0.24	TMECC 04.04-A
Magnesium (Mg)	%	0.08	0.12	TMECC 04.05-MG
Calcium (Ca)	%	1.20	1.82	TMECC 04.05-CA
Arsenic	mg/kg	2.679	4.074	SW846-6020 04.06-As
Cadmium	mg/kg	0.294	0.447	SW846-6020 04.06-Cd
Chromium	mg/kg	9.62	14.63	SW846-6020 04.06-Cr
Copper	mg/kg	142.42	216.58	SW846-6020 04.06-Cu
Mercury	mg/kg		< 0.59	SW846-6020 04.06-Hg
Molybdenum	mg/kg	5.29	8.05	SW846-6020 04.06-Mo
Nickel	mg/kg	7.72	11.74	SW846-6020 04.06-Ni
Lead	mg/kg	12.85	19.54	SW846-6020 04.06-Pb

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Selenium	mg/kg	2.06	3.13	SW846-6020 04.06-Se
Zinc	mg/kg	353.4	537.1	SW846-6020 04.06-Zn
pH	-	5.6		TMECC 04.11-A
Soluble Salts	dS/m	2.49		TMECC 04.10-A
Fecal Coliform/MPN	MPN/g dry		0	SM(20th)-9221E TMECC
Organic Matter by LOI @ 550C	%	27.61	41.99	TMECC 05.07-A
Organic Carbon by LOI @ 550C	%	13.80	20.99	Estimated
Carbon:Nitrogen Ratio (C:N)	-	13.5:1	13.5:1	TMECC 05.02-A
Germination - Emergence	%	99		TMECC 05.05-A
Germination - Vigor	%	89		TMECC 05.05-A
Ave Ht of Seedlings in Control	inches	3.2		TMECC 05.05-A
Ave Ht of Seedlings in Compost	inches	4.0		TMECC 05.05-A
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	%		1.06	TMECC 02.02-B
Retained on U.S. 1/4-inch	%		4.32	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		7.82	TMECC 02.02-B