

REPORT NO.  
F10083-6017  
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

COPY: AL RATTIE

STA

ATTN: KELLEY HOLCOMB

LAB NUMBER: 49636  
SAMPLE ID: STOCKPILE 171

## COMPOST ANALYSIS REPORT

DATE SAMPLED: 03/23/2010

DATE RECEIVED: 03/24/2010

DATE REPORTED: 04/13/2010

PAGE: 1

PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Moisture @ 70 C	%	50.75		TMECC 03.09-A
Dry Matter	%	49.25		TMECC 03.09-A
Total Nitrogen (N)	%	1.15	2.34	TMECC 04.02-D
Phosphorus (P)	%	0.60	1.22	TMECC 04.03-A
Phosphate (P205)	%	1.38	2.81	TMECC 04.03-A
Potassium (K)	%	0.10	0.21	TMECC 04.04-A
Potash (K2O)	%	0.12	0.25	TMECC 04.04-A
Magnesium (Mg)	%	0.11	0.23	TMECC 04.05-MG
Calcium (Ca)	%	0.65	1.32	TMECC 04.05-CA
Arsenic	mg/kg	6.372	12.939	SW846-6020 04.06-As
Cadmium	mg/kg	0.448	0.910	SW846-6020 04.06-Cd
Chromium	mg/kg	10.883	22.098	SW846-6020 04.06-Cr
Copper	mg/kg	90.706	184.175	SW846-6020 04.06-Cu
Mercury	mg/kg		< 0.001	SW846-6020 04.06-Hg
Molybdenum	mg/kg	4.595	9.329	SW846-6020 04.06-Mo
Nickel	mg/kg	6.721	13.647	SW846-6020 04.06-Ni
Lead	mg/kg	7.001	14.215	SW846-6020 04.06-Pb

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Selenium	mg/kg	1.607	3.263	SW846-6020 04.06-Se
Zinc	mg/kg	195.302	396.553	SW846-6020 04.06-Zn
pH	-	8.4		TMECC 04.11-A
Soluble Salts	dS/m	2.52		TMECC 04.10-A
Fecal Coliform/MPN	MPN/g dry		0	SM(20th)-9221E TMECC
Organic Matter by LOI @ 550C	%	29.45	59.79	TMECC 05.07-A
Organic Carbon by LOI @ 550C	%	14.73	29.90	Estimated
Carbon:Nitrogen Ratio (C:N)	-	12.8:1	12.8:1	TMECC 05.02-A
Germination - Emergence	%	100		TMECC 05.05-A
Germination - Vigor	%	19		TMECC 05.05-A
Ave Ht of Seedlings in Control	inches	3.2		TMECC 05.05-A
Ave Ht of Seedlings in Compost	inches	2.2		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	%		1.43	TMECC 02.02-B
Retained on U.S. 1/4-inch	%		6.20	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		9.27	TMECC 02.02-B