

REPORT NO.  
F09252-6032  
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 167

COPY: AL RATTIE

STA

ATTN: KELLEY HOLCOMB

LAB NUMBER: 47207  
SAMPLE ID: STOCKPILE 167

## COMPOST ANALYSIS REPORT

DATE SAMPLED: 09/08/2009

DATE RECEIVED: 09/09/2009

DATE REPORTED: 09/25/2009

PAGE: 1

PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Moisture @ 70 C	%	36.68		TMECC 03.09-A
Dry Matter	%	63.32		TMECC 03.09-A
Total Nitrogen (N)	%	1.42	2.25	TMECC 04.02-D
Phosphorus (P)	%	0.78	1.23	TMECC 04.03-A
Phosphate (P205)	%	1.79	2.83	TMECC 04.03-A
Potassium (K)	%	0.19	0.30	TMECC 04.04-A
Potash (K2O)	%	0.23	0.36	TMECC 04.04-A
Magnesium (Mg)	%	0.13	0.21	TMECC 04.05-MG
Calcium (Ca)	%	1.06	1.67	TMECC 04.05-CA
Arsenic	mg/kg	4.62	7.29	SW846-6020 04.06-As
Cadmium	mg/kg	0.66	1.05	SW846-6020 04.06-Cd
Chromium	mg/kg	13.09	20.67	SW846-6020 04.06-Cr
Copper	mg/kg	137.81	217.64	SW846-6020 04.06-Cu
Mercury	mg/kg		< 0.01	SW846-6020 04.06-Hg
Molybdenum	mg/kg	4.25	6.71	SW846-6020 04.06-Mo
Nickel	mg/kg	8.06	12.73	SW846-6020 04.06-Ni
Lead	mg/kg	16.48	26.02	SW846-6020 04.06-Pb

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Selenium	mg/kg	1.98	3.13	SW846-6020 04.06-Se
Zinc	mg/kg	311.05	491.24	SW846-6020 04.06-Zn
pH	-	5.0		TMECC 04.11-A
Soluble Salts	dS/m	2.59		TMECC 04.10-A
Fecal Coliform/MPN	MPN/g dry		0	SM(20th)-9221E TMECC
Organic Matter by LOI @ 550C	%	31.91	50.39	TMECC 05.07-A
Organic Carbon by LOI @ 550C	%	15.95	25.19	Estimated
Carbon:Nitrogen Ratio (C:N)	-	11.2:1	11.2:1	TMECC 05.02-A
Germination - Emergence	%	100		TMECC 05.05-A
Germination - Vigor	%	76		TMECC 05.05-A
Ave Ht of Seedlings in Control	inches	3.2		TMECC 05.05-A
Ave Ht of Seedlings in Compost	inches	2.8		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	%		3.02	TMECC 02.02-B
Retained on U.S. 1/4-inch	%		6.86	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		12.15	TMECC 02.02-B