

REPORT NO.  
F08254-6016  
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



REPORT PRINTED 10/13/2008

## QUALITY ANALYSES FOR INFORMED DECISIONS

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

FOR: BIO-SOLID COMPOST

COPY: AL RATTIE

STA

ATTN: KELLEY HOLCOMB

LAB NUMBER: 42287  
SAMPLE ID: STOCKPILE 151

# COMPOST ANALYSIS REPORT

DATE SAMPLED: 09/09/2008

DATE RECEIVED: 09/10/2008

DATE REPORTED: 10/09/2008

PAGE: 1

PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Moisture @ 70 C	%	47.22		TMECC 03.09-A
Dry Matter	%	52.78		TMECC 03.09-A
Total Nitrogen (N)	%	1.08	2.04	TMECC 04.02-D
Phosphorus (P)	%	0.41	0.78	TMECC 04.03-A
Phosphate (P205)	%	0.95	1.79	TMECC 04.03-A
Potassium (K)	%	0.12	0.23	TMECC 04.04-A
Potash (K2O)	%	0.15	0.28	TMECC 04.04-A
Magnesium (Mg)	%	0.10	0.18	TMECC 04.05-MG
Calcium (Ca)	%	0.93	1.76	TMECC 04.05-CA
Arsenic	mg/kg	2.858	5.415	SW846-6020 04.06-As
Cadmium	mg/kg	0.50	0.94	SW846-6020 04.06-Cd
Chromium	mg/kg	7.40	14.02	SW846-6020 04.06-Cr
Copper	mg/kg	83.29	157.80	SW846-6020 04.06-Cu
Mercury	mg/kg	0.25	0.47	SW846-6020 04.06-Hg
Molybdenum	mg/kg	4.80	9.09	SW846-6020 04.06-Mo
Nickel	mg/kg	5.53	10.47	SW846-6020 04.06-Ni
Lead	mg/kg	12.18	23.08	SW846-6020 04.06-Pb

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Selenium	mg/kg	1.724	3.267	SW846-6020 04.06-Se
Zinc	mg/kg	177.23	335.79	SW846-6020 04.06-Zn
pH	-	5.9		TMECC 04.11-A
Soluble Salts	dS/m	2.91		TMECC 04.10-A
Fecal Coliform/MPN	MPN/g dry		0	SM(20th)-9221E TMECC
Organic Matter by LOI @ 550C	%	28.41	53.83	TMECC 05.07-A
Organic Carbon by LOI @ 550C	%	14.20	26.91	Estimated
Carbon:Nitrogen Ratio (C:N)	-	13.2:1	13.2:1	TMECC 05.02-A
Germination - Emergence	%	100		TMECC 05.05-A
Germination - Vigor	%	82		TMECC 05.05-A
Ave Ht of Seedlings in Control	inches	3.7		TMECC 05.05-A
Ave Ht of Seedlings in Compost	inches	3.7		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	%		0.90	TMECC 02.02-B
Retained on U.S. 1/4-inch	%		7.09	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		9.49	TMECC 02.02-B