

REPORT NO.
F09189-6006
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 165

COPY: AL RATTIE

STA

ATTN: KELLEY HOLCOMB

LAB NUMBER: 46341
SAMPLE ID: STOCKPILE 165

COMPOST ANALYSIS REPORT

DATE SAMPLED: 07/07/2009

DATE RECEIVED: 07/08/2009

DATE REPORTED: 07/27/2009

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PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Moisture @ 70 C	%	31.42		TMECC 03.09-A
Dry Matter	%	68.58		TMECC 03.09-A
Total Nitrogen (N)	%	1.18	1.72	TMECC 04.02-D
Phosphorus (P)	%	0.53	0.78	TMECC 04.03-A
Phosphate (P205)	%	1.23	1.79	TMECC 04.03-A
Potassium (K)	%	0.19	0.28	TMECC 04.04-A
Potash (K2O)	%	0.23	0.34	TMECC 04.04-A
Magnesium (Mg)	%	0.13	0.19	TMECC 04.05-MG
Calcium (Ca)	%	1.10	1.60	TMECC 04.05-CA
Arsenic	mg/kg	5.468	7.973	SW846-6020 04.06-As
Cadmium	mg/kg	0.589	0.859	SW846-6020 04.06-Cd
Chromium	mg/kg	10.789	15.732	SW846-6020 04.06-Cr
Copper	mg/kg	134.097	195.533	SW846-6020 04.06-Cu
Mercury	mg/kg		< 0.001	SW846-6020 04.06-Hg
Molybdenum	mg/kg	4.013	5.851	SW846-6020 04.06-Mo
Nickel	mg/kg	6.863	10.007	SW846-6020 04.06-Ni
Lead	mg/kg	13.602	19.834	SW846-6020 04.06-Pb

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Selenium	mg/kg	1.642	2.395	SW846-6020 04.06-Se
Zinc	mg/kg	266.411	388.467	SW846-6020 04.06-Zn
pH	-	6.2		TMECC 04.11-A
Soluble Salts	dS/m	1.82		TMECC 04.10-A
Fecal Coliform/MPN	MPN/g dry		0	SM(20th)-9221E TMECC
Organic Matter by LOI @ 550C	%	32.68	47.65	TMECC 05.07-A
Organic Carbon by LOI @ 550C	%	16.34	23.82	Estimated
Carbon:Nitrogen Ratio (C:N)	-	13.8:1	13.8:1	TMECC 05.02-A
Germination - Emergence	%	100		TMECC 05.05-A
Germination - Vigor	%	100		TMECC 05.05-A
Ave Ht of Seedlings in Control	inches	3.0		TMECC 05.05-A
Ave Ht of Seedlings in Compost	inches	3.3		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

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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	%		5.94	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		10.48	TMECC 02.02-B