

REPORT NO.
F05314-6016
ACCOUNT NUMBER
63512

A & L GREAT LAKES LABORATORIES, INC.

3505 Conestoga Drive • Fort Wayne, Indiana 46808-4413 • Phone 260-483-4759 • Fax 260-483-5274
www.algreatlakes.com • lab@algreatlakes.com



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

FOR: BIO-SOLID COMPOST
STOCKPILE #104

COPY: E-MAIL AL RATTIE

STA

ATTN: JON CHEATHAM

LAB NUMBER: 29627

SAMPLE ID: NCF ANRA PACKAGE

COMPOST ANALYSIS REPORT

DATE SAMPLED: 11/02/2005

DATE RECEIVED: 11/10/2005

DATE REPORTED: 12/05/2005

PAGE: 1

PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Moisture @ 70 C	%	18.63		TMECC 03.09-A
Dry Matter	%	81.37		TMECC 03.09-A
Total Nitrogen (N)	%	1.34	1.65	TMECC 04.02-D
Phosphorus (P)	%	1.03	1.27	TMECC 04.03-A
Phosphate (P205)	%	2.38	2.92	TMECC 04.03-A
Potassium (K)	%	0.18	0.22	TMECC 04.04-A
Potash (K2O)	%	0.21	0.26	TMECC 04.04-A
Magnesium (Mg)	%	0.11	0.14	TMECC 04.05-MG
Calcium (Ca)	%	0.84	1.03	TMECC 04.05-CA
Arsenic	mg/kg	6.168	7.580	SW846-6020 04.06-As
Cadmium	mg/kg	1.47	1.81	SW846-6020 04.06-Cd
Chromium	mg/kg	29.15	35.83	SW846-6020 04.06-Cr
Copper	mg/kg	627.69	771.40	SW846-6020 04.06-Cu
Mercury	mg/kg	1.22	1.50	SW846-6020 04.06-Hg
Molybdenum	mg/kg	5.87	7.21	SW846-6020 04.06-Mo
Nickel	mg/kg	12.41	15.25	SW846-6020 04.06-Ni
Lead	mg/kg	33.88	41.64	SW846-6020 04.06-Pb

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Selenium	mg/kg	2.573	3.162	SW846-6020 04.06-Se
Zinc	mg/kg	413.82	508.57	SW846-6020 04.06-Zn
pH	-	6.6		TMECC 04.11-A
Soluble Salts	dS/m	2.61		TMECC 04.10-A
Fecal Coliform/MPN	MPN/g dry		0	SM(20th)-9221E TMECC
Organic Matter by LOI @ 550C	%	33.13	40.71	TMECC 05.07-A
Organic Carbon by LOI @ 550C	%	16.56	20.35	Estimated
Carbon:Nitrogen Ratio (C:N)	-	12.3:1	12.3:1	TMECC 05.02-A
Germination - Emergence	%	82		TMECC 05.05-B
Germination - Vigor	%	0		TMECC 05.05-B
Ave Ht of Seedlings in Control	inches	4.1		TMECC 05.05-B
Ave Ht of Seedlings in Compost	inches	1.3		TMECC 05.05-B
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	%		2.57	TMECC 02.02-B
Retained on U.S. 3/8-inch	%		10.34	TMECC 02.02-B
Retained on U.S. 1/4-inch	%		6.23	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		7.24	TMECC 02.02-B