

REPORT NO.
F05158-6006
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: BIOSOLID COMPOST
STOCKPILE #99

COPY: AL RATTIE

STA

ATTN: JON CHEATHAM

COMPOST ANALYSIS REPORT

LAB NUMBER: 27383

SAMPLE ID: BIOSOLID COMPOST STOCKPILE #99

DATE RECEIVED: 06/07/2005

DATE REPORTED: 07/14/2005 PAGE: 1

PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Moisture @ 70 C	%	42.96		TMECC 03.09-A
Dry Matter	%	57.04		TMECC 03.09-A
Total Nitrogen (N)	%	0.92	1.62	TMECC 04.02-D
Phosphorus (P)	%	1.02	1.78	TMECC 04.03-A
Phosphate (P205)	%	2.34	4.09	TMECC 04.03-A
Potassium (K)	%	0.17	0.30	TMECC 04.04-A
Potash (K2O)	%	0.21	0.36	TMECC 04.04-A
Magnesium (Mg)	%	0.12	0.21	TMECC 04.05-MG
Calcium (Ca)	%	1.29	2.27	TMECC 04.05-CA
Arsenic	mg/kg	3.881	6.804	SW846-6020 04.06-As
Cadmium	mg/kg	1.10	1.93	SW846-6020 04.06-Cd
Chromium	mg/kg	12.76	22.37	SW846-6020 04.06-Cr
Copper	mg/kg	129.94	227.81	SW846-6020 04.06-Cu
Mercury	mg/kg	0.36	0.63	SW846-6020 04.06-Hg
Molybdenum	mg/kg	5.38	9.44	SW846-6020 04.06-Mo
Nickel	mg/kg	8.32	14.58	SW846-6020 04.06-Ni
Lead	mg/kg	24.18	42.40	SW846-6020 04.06-Pb

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Selenium	mg/kg	0.228	0.399	SW846-6020 04.06-Se
Zinc	mg/kg	346.79	607.97	SW846-6020 04.06-Zn
pH	-	5.8		TMECC 04.11-A
Soluble Salts	dS/m	1.21		TMECC 04.10-A
Fecal Coliform/MPN	MPN/g dry		90	SM(20th)-9221E TMECC
Organic Matter by LOI @ 550C	%	27.68	48.53	TMECC 05.07-A
Organic Carbon by LOI @ 550C	%	13.84	24.27	Estimated
Carbon:Nitrogen Ratio (C:N)	-	15.0:1	15.0:1	TMECC 05.02-A
Germination - Emergence	%	100		TMECC 05.05-B
Germination - Vigor	%	67		TMECC 05.05-B
Ave Ht of Seedlings in Control	inches	4.2		TMECC 05.05-B
Ave Ht of Seedlings in Compost	inches	4.0		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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PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Retained on U.S. 5/8-inch	%		4.06	TMECC 02.02-B
Retained on U.S. 3/8-inch	%		22.51	TMECC 02.02-B
Retained on U.S. 1/4-inch	%		12.17	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		9.42	TMECC 02.02-B