

REPORT NO.  
F05259-6014  
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

COPY: AL RATTIE

STA

ATTN: JON CHEATHAM

LAB NUMBER: 28719

SAMPLE ID: BISOLID COMP STOCK PILE 103 ANRA PGK

## COMPOST ANALYSIS REPORT

DATE SAMPLED: 09/13/2005

DATE RECEIVED: 09/16/2005

DATE REPORTED: 10/07/2005

PAGE: 1

PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Moisture @ 70 C	%	10.11		TMECC 03.09-A
Dry Matter	%	89.89		TMECC 03.09-A
Total Nitrogen (N)	%	0.85	0.95	TMECC 04.02-D
Phosphorus (P)	%	0.53	0.59	TMECC 04.03-A
Phosphate (P205)	%	1.22	1.36	TMECC 04.03-A
Potassium (K)	%	0.18	0.20	TMECC 04.04-A
Potash (K2O)	%	0.22	0.24	TMECC 04.04-A
Magnesium (Mg)	%	0.12	0.13	TMECC 04.05-MG
Calcium (Ca)	%	0.61	0.68	TMECC 04.05-CA
Arsenic	mg/kg	3.796	4.223	SW846-6020 04.06-As
Cadmium	mg/kg	0.67	0.74	SW846-6020 04.06-Cd
Chromium	mg/kg	45.85	51.01	SW846-6020 04.06-Cr
Copper	mg/kg	76.24	84.81	SW846-6020 04.06-Cu
Mercury	mg/kg	0.67	0.75	SW846-6020 04.06-Hg
Molybdenum	mg/kg	3.05	3.39	SW846-6020 04.06-Mo
Nickel	mg/kg	16.18	18.00	SW846-6020 04.06-Ni
Lead	mg/kg	17.13	19.06	SW846-6020 04.06-Pb

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Selenium	mg/kg	<0.013	<0.015	SW846-6020 04.06-Se
Zinc	mg/kg	177.89	197.90	SW846-6020 04.06-Zn
pH	-	7.1		TMECC 04.11-A
Soluble Salts	dS/m	1.86		TMECC 04.10-A
Fecal Coliform/MPN	MPN/g dry		1780	SM(20th)-9221E TMECC
Organic Matter by LOI @ 550C	%	32.52	36.18	TMECC 05.07-A
Organic Carbon by LOI @ 550C	%	16.26	18.09	Estimated
Carbon:Nitrogen Ratio (C:N)	-	19.0:1	19.0:1	TMECC 05.02-A
Germination - Emergence	%	100		TMECC 05.05-B
Germination - Vigor	%	44		TMECC 05.05-B
Ave Ht of Seedlings in Control	inches	3.9		TMECC 05.05-B
Ave Ht of Seedlings in Compost	inches	3.6		TMECC 05.05-B
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		2	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	%		1.91	TMECC 02.02-B
Retained on U.S. 3/8-inch	%		9.16	TMECC 02.02-B
Retained on U.S. 1/4-inch	%		13.57	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		10.57	TMECC 02.02-B