

REPORT NO.  
F05070-6005  
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

## COMPOST ANALYSIS REPORT

LAB NUMBER: 26629

SAMPLE ID: BIOSOLID COMPOST TXDOT

DATE RECEIVED: 03/11/2005

DATE REPORTED: 03/28/2005 PAGE: 1

PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Moisture @ 70 C	%	47.34		TMECC 03.09-A
Dry Matter	%	52.66		TMECC 03.09-A
Total Nitrogen (N)	%	0.84	1.60	TMECC 04.02-D
Phosphorus (P)	%	0.51	0.96	TMECC 04.03-A
Phosphate (P205)	%	1.16	2.21	TMECC 04.03-A
Potassium (K)	%	0.15	0.28	TMECC 04.04-A
Potash (K2O)	%	0.18	0.34	TMECC 04.04-A
Magnesium (Mg)	%	0.09	0.18	TMECC 04.05-MG
Calcium (Ca)	%	1.01	1.91	TMECC 04.05-CA
Arsenic	mg/kg	12.706	24.128	SW846-6020 04.06-As
Cadmium	mg/kg	0.64	1.22	SW846-6020 04.06-Cd
Chromium	mg/kg	16.49	31.32	SW846-6020 04.06-Cr
Copper	mg/kg	66.69	126.65	SW846-6020 04.06-Cu
Mercury	mg/kg	0.19	0.37	SW846-6020 04.06-Hg
Molybdenum	mg/kg	2.93	5.57	SW846-6020 04.06-Mo
Nickel	mg/kg	9.12	17.31	SW846-6020 04.06-Ni
Lead	mg/kg	16.87	32.03	SW846-6020 04.06-Pb

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Selenium	mg/kg	0.229	0.434	SW846-6020 04.06-Se
Zinc	mg/kg	167.36	317.82	SW846-6020 04.06-Zn
pH	-	6.2		TMECC 04.11-A
Soluble Salts	dS/m	0.92		TMECC 04.10-A
Fecal Coliform/MPN	MPN/g dry		2	SM(20th)-9221E TMECC
Organic Matter by LOI @ 550C	%	28.35	53.83	TMECC 05.07-A
Organic Carbon by LOI @ 550C	%	14.17	26.91	Estimated
Carbon:Nitrogen Ratio (C:N)	-	16.8:1	16.8:1	TMECC 05.02-A
Germination - Emergence	%	99		TMECC 05.05-B
Germination - Vigor	%	94		TMECC 05.05-B
Ave Ht of Germination Control	inches	3.8		TMECC 05.05-B
Ave Ht of Seedlings in Compost	inches	4.2		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		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	%		3.03	TMECC 02.02-B
Retained on U.S. 3/8-inch	%		15.80	TMECC 02.02-B
Retained on U.S. 1/4-inch	%		14.86	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		11.68	TMECC 02.02-B