

Report Number  
F20030-6506  
Account Number  
63512



a&lgreatlakes  
LABORATORIES  
Scientists who don't mind getting dirty.™

3505 Conestoga Dr.  
Fort Wayne, IN 46808  
260.483.4759  
algreatlakes.com

To: ANGELINA-NECHES RIVER AUTHOR.  
2901 N JOHN REDDITT DR  
LUFKIN, TX 75904-1628

For: STOCKPILE 280

COPY: HILARY NICHOLS



STA

Attn: DALE BAILEY

Date Sampled: 1/29/2020

Date Received: 1/30/2020

Date Reported: 2/18/2020

Page: 1 of 3

Sample ID: STOCKPILE 280

Lab Number: 23264

## COMPOST ANALYSIS

Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Moisture @ 70 C	%	34.10		TMECC 03.09-A
Solids	%	65.90		TMECC 03.09-A
Total Nitrogen (N)	%	1.40	2.12	TMECC 04.02-D
Phosphorus (P)	%	0.69	1.05	TMECC 04.03-A
Phosphate (P <sub>2</sub> O <sub>5</sub> )	%	1.59	2.40	TMECC 04.03-A
Potassium (K)	%	0.22	0.34	TMECC 04.04-A
Potash (K <sub>2</sub> O)	%	0.27	0.41	TMECC 04.04-A
Magnesium (Mg)	%	0.14	0.21	TMECC 04.05-MG
Calcium (Ca)	%	0.92	1.40	TMECC 04.05-CA
Arsenic	mg/kg	8.9	13.5	US EPA SW846-6020
Cadmium	mg/kg	0.552	0.837	US EPA SW846-6020
Chromium	mg/kg	22.9	34.8	US EPA SW846-6020
Copper	mg/kg	204	310	US EPA SW846-6010C
Mercury	mg/kg	0.190	0.288	US EPA SW846-6020
Molybdenum	mg/kg	16.7	25.3	US EPA SW846-6020

TMECC - Test Methods for the Examination of Composting and Compost (TMECC), The U.S. Composting Council.

-COMPOST

Report Approved By:

Greg Neyman - Vice President / COO

Approval Date:

2/18/2020

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Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Nickel	mg/kg	8.5	12.9	US EPA SW846-6020
Lead	mg/kg	7.7	11.7	US EPA SW846-6020
Selenium	mg/kg	1.67	2.54	US EPA SW846-6020
Zinc	mg/kg	279	424	US EPA SW846-6010C
503 Metals PASS/FAIL	pass/fail		PASS	EPA 503 Metal Limits
pH	-	5.8		TMECC 04.11-A
Soluble Salts	dS/m	1.91		TMECC 04.10-A
Fecal Coliform/MPN	MPN/g dry		< 2	SM(20th)-9221E TMECC
Pathogen Reduction - PASS/FAIL	pass/fail		PASS	40 CFR 503 Class A Compost
Organic Matter (LOI @ 550 C)	%	31.83	48.30	TMECC 05.07-A
Total Organic Carbon (C)	%	15.91	24.15	TMECC 04.01-A
Carbon:Nitrogen Ratio (C:N)	-	11.4:1	11.4:1	TMECC 05.02-A
Foreign Material	%		0.00	TMECC 03.08-A
Germination - Emergence	%	100		TMECC 05.05-A
Germination - Vigor	%	98		TMECC 05.05-A

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Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Ave Ht of Seedlings in Control	centimeters	9.7		TMECC 05.05-A
Ave Ht of Seedlings in Compost	centimeters	12.0		TMECC 05.05-A
Respiration - CO <sub>2</sub> -C/g TS	mg CO <sub>2</sub> -C / g TS/Day		0.8	TMECC 05.08-B
Respiration - CO <sub>2</sub> -C/g OM	mg CO <sub>2</sub> -C / g OM/Day		0.7	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
Retained on U.S. 5/8-inch Sieve	%		0.00	TMECC 02.02-B
Retained on U.S. 3/8-inch Sieve	%		1.29	TMECC 02.02-B
Retained on U.S. 1/4-inch Sieve	%		6.09	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		12.10	TMECC 02.02-B

**Comments:**

MERCURY ANALYZED BY METHOD SW7471B.