

Report Number
F18110-6012
Account Number
84504



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

To: ARLINGTON SOLID WASTE BUREAU
4300 29TH STREET S
ARLINGTON, VA 22206-2211

For: LEE CARRIG

Attn: ERIK GRABOWSKY

Sample ID: YARD WASTE MULCH
Lab Number: 98651

Date Received: 4/20/2018

Date Reported: 5/4/2018

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COMPOST ANALYSIS

Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Moisture @ 70 C	%	39.92		TMECC 03.09-A
Solids	%	60.08		TMECC 03.09-A
Total Nitrogen (N)	%	0.71	1.19	TMECC 04.02-D
Phosphorus (P)	%	0.08	0.14	TMECC 04.03-A
Phosphate (P ₂ O ₅)	%	0.19	0.32	TMECC 04.03-A
Potassium (K)	%	0.37	0.62	TMECC 04.04-A
Potash (K ₂ O)	%	0.45	0.74	TMECC 04.04-A
Magnesium (Mg)	%	0.17	0.28	TMECC 04.05-MG
Calcium (Ca)	%	0.90	1.50	TMECC 04.05-CA
Arsenic	mg/kg	< 0.305	< 0.508	US EPA SW846-6020
Cadmium	mg/kg	0.357	0.595	US EPA SW846-6020
Chromium	mg/kg	10.8	17.9	US EPA SW846-6020
Copper	mg/kg	23.1	38.5	US EPA SW846-6010C
Mercury	mg/kg	< 0.354	< 0.589	US EPA SW846-6020
Molybdenum	mg/kg	0.90	1.49	US EPA SW846-6020

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Nickel	mg/kg	3.91	6.50	US EPA SW846-6020
Lead	mg/kg	34.6	57.6	US EPA SW846-6020
Selenium	mg/kg	< 0.71	< 1.18	US EPA SW846-6020
Zinc	mg/kg	72	120	US EPA SW846-6010C
503 Metals PASS/FAIL	pass/fail		PASS	EPA 503 Metal Limits
pH	-	5.3		TMECC 04.11-A
Soluble Salts	dS/m	3.02		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
Ash @ 550 C	%	25.81	42.96	TMECC 03.02-B
Organic Matter (LOI @ 550 C)	%	34.27	57.04	TMECC 05.07-A
Total Organic Carbon (C)	%	17.13	28.52	TMECC 04.01-A
Carbon:Nitrogen Ratio (C:N)	-	24.0:1	24.0:1	TMECC 05.02-A
Foreign Material	%	0.50	0.83	TMECC 03.08-A
Germination - Emergence	%	87		TMECC 05.05-A

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Germination - Vigor	%	100		TMECC 05.05-A
Ave Ht of Seedlings in Control	centimeters	4.5		TMECC 05.05-A
Ave Ht of Seedlings in Compost	centimeters	8.2		TMECC 05.05-A
Respiration - CO ₂ -C/g TS	mg CO ₂ -C / g TS/Day		2	TMECC 05.08-B
Respiration - CO ₂ -C/g OM	mg CO ₂ -C / g OM/Day		2	TMECC 05.08-B
Compost Stability Index	-		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	%		4.89	TMECC 02.02-B
Retained on U.S. 3/8-inch Sieve	%		3.91	TMECC 02.02-B
Retained on U.S. 1/4-inch Sieve	%		5.14	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		8.50	TMECC 02.02-B