

REPORT NO.
F15111-6019
ACCOUNT NUMBER
63512

A & L GREAT LAKES LABORATORIES, INC.

3505 Conestoga Drive • Fort Wayne, IN 46808 • Phone 260-483-4759 • Fax 260-483-5274
www.algreatlakes.com • lab@algreatlakes.com



QUALITY ANALYSES FOR INFORMED DECISIONS

TO: ANGELINA-NECHES RIVER AUTHORITY
PO BOX 387
LUFKIN, TX 75902-0387

FOR: STOCKPILE 242

COPY: AL RATTIE

STA

ATTN: LORI HAMILTON

LAB NUMBER: 78042
SAMPLE ID: STOCKPILE 242

COMPOST ANALYSIS REPORT

DATE SAMPLED: 04/20/2015

DATE RECEIVED: 04/21/2015

DATE REPORTED: 05/06/2015 PAGE: 1

PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Moisture @ 70 C	%	37.36		TMECC 03.09-A
Dry Matter	%	62.64		TMECC 03.09-A
Total Nitrogen (N)	%	1.33	2.12	TMECC 04.02-D
Phosphorus (P)	%	0.83	1.32	TMECC 04.03-A
Phosphate (P205)	%	1.90	3.02	TMECC 04.03-A
Potassium (K)	%	0.31	0.49	TMECC 04.04-A
Potash (K2O)	%	0.37	0.59	TMECC 04.04-A
Magnesium (Mg)	%	0.14	0.23	TMECC 04.05-MG
Calcium (Ca)	%	1.09	1.74	TMECC 04.05-B
Arsenic	mg/kg	9.9	15.8	SW846-6020 04.06-As
Cadmium	mg/kg	5.45	8.70	SW846-6020 04.06-Cd
Chromium	mg/kg	13.6	21.7	SW846-6020 04.06-Cr
Copper	mg/kg	115	183	SW846-6020 04.06-Cu

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

Report Approved By:

Greg Neyman - Vice President / COO

Approval Date: 5/06/2015

REPORT NO.

F15111-6019

ACCOUNT NUMBER

63512

A & L GREAT LAKES LABORATORIES, INC.

3505 Conestoga Drive • Fort Wayne, IN 46808 • Phone 260-483-4759 • Fax 260-483-5274

www.algreatlakes.com • lab@algreatlakes.com

QUALITY ANALYSES FOR INFORMED DECISIONS



TO: ANGELINA-NECHES RIVER AUTHOR.
PO BOX 387
LUFKIN, TX 75902-0387

FOR: STOCKPILE 242

COPY: AL RATTIE

STA

ATTN: LORI HAMILTON

LAB NUMBER: 78042

SAMPLE ID: STOCKPILE 242

COMPOST ANALYSIS REPORT

DATE SAMPLED: 04/20/2015

DATE RECEIVED: 04/21/2015

DATE REPORTED: 05/06/2015 PAGE: 2

PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Mercury	mg/kg	0.175	0.280	SW846-6020 04.06-Hg
Molybdenum	mg/kg	1.36	2.17	SW846-6020 04.06-Mo
Nickel	mg/kg	8.1	13.0	SW846-6020 04.06-Ni
Lead	mg/kg	11.1	17.8	SW846-6020 04.06-Pb
Selenium	mg/kg	2.72	4.35	SW846-6020 04.06-Se
Zinc	mg/kg	243	388	SW846-6020 04.06-Zn
503 Metals PASS/FAIL	pass/fail		PASS	EPA 503 Metal Limits
pH	-	7.9		TMECC 04.11-A
Soluble Salts	dS/m	2.43		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
Organic Matter by LOI @ 550C	%	36.76	58.68	TMECC 05.07-A
Total Organic Carbon (C)	%	18.38	29.34	TMECC 04.01-A

REPORT NO.

F15111-6019

ACCOUNT NUMBER

63512

A & L GREAT LAKES LABORATORIES, INC.

3505 Conestoga Drive • Fort Wayne, IN 46808 • Phone 260-483-4759 • Fax 260-483-5274

www.algreatlakes.com • lab@algreatlakes.com

QUALITY ANALYSES FOR INFORMED DECISIONS



TO: ANGELINA-NECHES RIVER AUTHOR.
PO BOX 387
LUFKIN, TX 75902-0387

FOR: STOCKPILE 242

COPY: AL RATTIE

STA

ATTN: LORI HAMILTON

LAB NUMBER: 78042

SAMPLE ID: STOCKPILE 242

COMPOST ANALYSIS REPORT

DATE SAMPLED: 04/20/2015

DATE RECEIVED: 04/21/2015

DATE REPORTED: 05/06/2015 PAGE: 3

PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Carbon:Nitrogen Ratio (C:N)	-	13.8:1	13.8:1	TMECC 05.02-A
Foreign Material	%		0.00	TMECC 03.08-A
Germination - Emergence	%	96		TMECC 05.05-A
Germination - Vigor	%	69		TMECC 05.05-A
Ave Ht of Seedlings in Control	inches	4.1		TMECC 05.05-A
Ave Ht of Seedlings in Compost	inches	4.0		TMECC 05.05-A
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
Retained on U.S. 5/8-inch Sieve	%		0.00	TMECC 02.02-B
Retained on U.S. 3/8-inch Sieve	%		1.06	TMECC 02.02-B

REPORT NO.
F15111-6019
ACCOUNT NUMBER
63512

A & L GREAT LAKES LABORATORIES, INC.

3505 Conestoga Drive • Fort Wayne, IN 46808 • Phone 260-483-4759 • Fax 260-483-5274
www.algreatlakes.com • lab@algreatlakes.com

QUALITY ANALYSES FOR INFORMED DECISIONS



TO: ANGELINA-NECHES RIVER AUTHOR.
PO BOX 387
LUFKIN, TX 75902-0387

FOR: STOCKPILE 242

COPY: AL RATTIE

STA

ATTN: LORI HAMILTON

LAB NUMBER: 78042
SAMPLE ID: STOCKPILE 242

COMPOST ANALYSIS REPORT

DATE SAMPLED: 04/20/2015

DATE RECEIVED: 04/21/2015

DATE REPORTED: 05/06/2015 PAGE: 4

PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Retained on U.S. 1/4-inch Sieve	%		6.15	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		11.78	TMECC 02.02-B