

REPORT NO.
F14226-6016
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 233

COPY: AL RATTIE
JACKY DAVIS

STA

ATTN: LORI HAMILTON

LAB NUMBER: 73728
SAMPLE ID: STOCKPILE 233

COMPOST ANALYSIS REPORT

DATE SAMPLED: 08/13/2014

DATE RECEIVED: 08/14/2014

DATE REPORTED: 08/27/2014 PAGE: 1

PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Moisture @ 70 C	%	36.78		TMECC 03.09-A
Dry Matter	%	63.22		TMECC 03.09-A
Total Nitrogen (N)	%	1.07	1.69	TMECC 04.02-D
Phosphorus (P)	%	0.56	0.89	TMECC 04.03-A
Phosphate (P205)	%	1.29	2.04	TMECC 04.03-A
Potassium (K)	%	0.23	0.36	TMECC 04.04-A
Potash (K2O)	%	0.27	0.43	TMECC 04.04-A
Magnesium (Mg)	%	0.12	0.19	TMECC 04.05-MG
Calcium (Ca)	%	1.12	1.77	TMECC 04.05-B
Arsenic	mg/kg	5.73	9.06	SW846-6020 04.06-As
Cadmium	mg/kg	0.468	0.740	SW846-6020 04.06-Cd
Chromium	mg/kg	12.7	20.1	SW846-6020 04.06-Cr
Copper	mg/kg	92	146	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: 8/27/2014

REPORT NO.
F14226-6016
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 233

COPY: AL RATTIE
JACKY DAVIS

STA

ATTN: LORI HAMILTON

LAB NUMBER: 73728
SAMPLE ID: STOCKPILE 233

COMPOST ANALYSIS REPORT

DATE SAMPLED: 08/13/2014

DATE RECEIVED: 08/14/2014

DATE REPORTED: 08/27/2014 PAGE: 2

PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Mercury	mg/kg	<0.365	< 0.578	SW846-6020 04.06-Hg
Molybdenum	mg/kg	1.56	2.46	SW846-6020 04.06-Mo
Nickel	mg/kg	7.2	11.4	SW846-6020 04.06-Ni
Lead	mg/kg	12.2	19.3	SW846-6020 04.06-Pb
Selenium	mg/kg	1.57	2.49	SW846-6020 04.06-Se
Zinc	mg/kg	209	331	SW846-6020 04.06-Zn
503 Metals PASS/FAIL	pass/fail		PASS	EPA 503 Metal Limits
pH	-	7.8		TMECC 04.11-A
Soluble Salts	dS/m	1.51		TMECC 04.10-A
Fecal Coliform/MPN	MPN/g dry		0	SM(20th)-9221E TMECC
Pathogen Reduction - PASS/FAIL	pass/fail		PASS	40 CFR 503 Class A
Organic Matter by LOI @ 550C	%	26.93	42.60	TMECC 05.07-A
Total Organic Carbon (C)	%	13.47	21.30	TMECC 04.01-A

REPORT NO.
F14226-6016
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 233

COPY: AL RATTIE
JACKY DAVIS

STA

ATTN: LORI HAMILTON

LAB NUMBER: 73728
SAMPLE ID: STOCKPILE 233

COMPOST ANALYSIS REPORT

DATE SAMPLED: 08/13/2014

DATE RECEIVED: 08/14/2014

DATE REPORTED: 08/27/2014 PAGE: 3

PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Carbon:Nitrogen Ratio (C:N)	-	12.6:1	12.6:1	TMECC 05.02-A
Foreign Material	%		0.00	TMECC 03.08-A
Germination - Emergence	%	92		TMECC 05.05-A
Germination - Vigor	%	33		TMECC 05.05-A
Ave Ht of Seedlings in Control	inches	4.0		TMECC 05.05-A
Ave Ht of Seedlings in Compost	inches	3.7		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	%		2.23	TMECC 02.02-B

REPORT NO.
F14226-6016
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 233

COPY: AL RATTIE
JACKY DAVIS

STA

ATTN: LORI HAMILTON

LAB NUMBER: 73728
SAMPLE ID: STOCKPILE 233

COMPOST ANALYSIS REPORT

DATE SAMPLED: 08/13/2014

DATE RECEIVED: 08/14/2014

DATE REPORTED: 08/27/2014 PAGE: 4

PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Retained on U.S. 1/4-inch Sieve	%		5.77	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		13.62	TMECC 02.02-B