REPORT NO.
F13115-6007

ACCOUNT NUMBER
33022

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: GREEN VALLEY AGRICULTURAL
3957 108TH ST SE
CALEDONIA, MI 49316-9425

FOR: WALNUTDALE

ATTN: JOHN CHRISTIAN

LAB NUMBER: 65568
MANURE TYPE: DAIRY, LIQUID PIT (20)
SAMPLE ID: EAST LAGOON

MANURE ANALYSIS REPORT

DATE SAMPLED: 04/22/2013
DATE RECEIVED: 04/25/2013
DATE REPORTED: 04/26/2013

PARAMETER	UNIT	ANALYSIS RESULT	TOTAL POUNDS PER 1,000 GAL**	FIRST YEAR AVAILABILITY @ POUNDS PER 1,000 GAL
Moisture	%	97.67	8135.9	
Solids	%	2.33	194.1	
Nitrogen, Total (TKN)	%	0.097	8.1	5.7 *
Nitrogen, Ammonium (NH4-N)	%	0.056	4.7	4.7 *
Nitrogen, Organic (N)	%	0.041	3.4	1.0 *
Phosphorus (P)	%	0.020	3.8 (as P2O5)	3.8 (as P2O5) *
Potassium (K)	%	0.071	7.1 (as K2O)	7.1 (as K2O) *

@ Estimate of first-year availability does not account for incorporation losses. Consult MWPS-18, "Livestock Waste Facilities Handbook" for additional information.
* Source: MWPS-18, Livestock Waste Facilities Handbook, 1993
** Manure density assumed to be 8.33 lb/gallon

Report Approved By: Timothy J Bailey
Approval Date: 4/26/2013
Tim Bailey - Lab Agronomist / Technical Services

A&L

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QUALITY ANALYSES FOR INFORMED DECISIONS

TO: GREEN VALLEY AGRICULTURAL
3957 108TH ST SE
CALEDONIA, MI 49316-9425

FOR: WALNUTDALE

ATTN: JOHN CHRISTIAN

LAB NUMBER: 65569
MANURE TYPE: DAIRY, LIQUID PIT (20)
SAMPLE ID: CATCH BASIN

MANURE ANALYSIS REPORT

DATE SAMPLED: 04/22/2013
DATE RECEIVED: 04/25/2013
DATE REPORTED: 04/26/2013

PARAMETER	UNIT	ANALYSIS RESULT	TOTAL POUNDS PER 1,000 GAL**	FIRST YEAR AVAILABILITY @ POUNDS PER 1,000 GAL
Moisture	%	99.91	8322.5	
Solids	%	0.09	7.5	
Nitrogen, Total (TKN)	%	0.007	0.6	0.4 *
Nitrogen, Ammonium (NH4-N)	%	0.004	0.3	0.3 *
Nitrogen, Organic (N)	%	0.003	0.2	0.1 *
Phosphorus (P)	%	0.002	0.4 (as P2O5)	0.4 (as P2O5) *
Potassium (K)	%	0.012	1.2 (as K2O)	1.2 (as K2O) *

@ Estimate of first-year availability does not account for incorporation losses. Consult MWPS-18, "Livestock Waste Facilities Handbook" for additional information.
* Source: MWPS-18, Livestock Waste Facilities Handbook, 1993
** Manure density assumed to be 8.33 lb/gallon