Report Number
F18351-7009
Account Number
89508

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Scientists who don't mind getting dirty.™

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

To: VEOLIA WATER NORTH AMERICA
PO BOX 53
LYONS, IL 60534-0053

Lab Number: 59410
Purchase Order: 484641

Attn: CLETE KETTER
Sample ID: FPC 121318
Expected Analysis: 4-4-0

FERTILIZER ANALYSIS

Date Received: 12/17/2018
Date Reported: 12/28/2018

Analysis	Result	Unit	Reporting Limit	Method Reference
Total Nitrogen (N)	4.95	%	0.10	AOAC 993.13
Ammoniacal Nitrogen (NH4-N)	0.29	%	0.01	Lachat 12-107-06-1-B
Nitrate Nitrogen (NO3-N)	<0.01	%	0.01	Lachat QCM 12-107-04-1-B
Total Phosphate (P2O5)	4.8	%	0.1	AOAC 958.01
Available Phosphate (P2O5)	4.6	%	0.1	AOAC 993.31
Potash (K2O)	0.32	%	0.01	AOAC 965.09/ICP
Aluminum (Al)	1.59	%	0.01	AOAC 965.09/ICP
Boron (B)	<0.01	%	0.01	AOAC 965.09/ICP
Calcium (Ca)	3.42	%	0.01	AOAC 965.09/ICP
Copper (Cu)	0.04	%	0.01	AOAC 965.09/ICP
Iron (Fe)	1.66	%	0.01	AOAC 965.09/ICP
Magnesium (Mg)	1.65	%	0.01	AOAC 965.09/ICP

Report Approved By: Diane Thayer
Diane Thayer - Fertilizer Chemist

Approval Date: 1/17/2019

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Analysis	Result	Unit	Reporting Limit	Method Reference
Manganese (Mn)	0.06	%	0.01	AOAC 965.09/ICP
Sodium (Na)	0.14	%	0.01	AOAC 965.09/ICP
Sulfate Sulfur (S)	0.98	%	0.01	AOAC 965.09/ICP
Zinc (Zn)	0.09	%	0.01	AOAC 965.09/ICP
Calcium Carbonate Equiv. (CCE)	13.1	%	0.1	AOAC 955.01
pH	6.53	Std. Unit	0.01	ALGL SOP 7.01
Bulk Density	47.8	lb/cu ft	0.1	TFI (4th) Method IV.C

pH was read on a 1:2 sample:water slurry after 1 hour.
Bulk Density is the average of Apparent (46.2 lb/cu ft) and Tapped (49.4 lb/ cu ft).