Report Number
F19011-7013
Account Number
89508

a&lgreatlakes LABORATORIES
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: 59665
Purchase Order: 484641

Attn: CLETE KETTER
Sample ID: PCD010919
Expected Analysis: 4-4-0

REPORT OF ANALYSIS

Date Received: 1/11/2019
Date Reported: 1/18/2019

Analysis	Result	Unit	Reporting Limit	Method Reference
Total Nitrogen (N)	4.81	%	0.10	AOAC 993.13
Ammoniacal Nitrogen (NH4-N)	0.17	%	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)	5.4	%	0.1	AOAC 958.01
Available Phosphate (P2O5)	4.9	%	0.1	AOAC 993.31
Potash (K2O)	0.41	%	0.01	AOAC 965.09/ICP
Aluminum (Al)	1.47	%	0.01	AOAC 965.09/ICP
Boron (B)	<0.01	%	0.01	AOAC 965.09/ICP
Calcium (Ca)	3.37	%	0.01	AOAC 965.09/ICP
Copper (Cu)	0.04	%	0.01	AOAC 965.09/ICP
Iron (Fe)	1.62	%	0.01	AOAC 965.09/ICP
Magnesium (Mg)	1.67	%	0.01	AOAC 965.09/ICP

Report Approved By: Randall Warden
Randall Warden - CEO - CPAg/CPSS/CCA

Approval Date: 1/18/2019

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Analysis	Result	Unit	Reporting Limit	Method Reference
Manganese (Mn)	0.06	%	0.01	AOAC 965.09/ICP
Sodium (Na)	0.15	%	0.01	AOAC 965.09/ICP
Sulfate Sulfur (S)	0.95	%	0.01	AOAC 965.09/ICP
Zinc (Zn)	0.08	%	0.01	AOAC 965.09/ICP
pH	6.50	Std. Unit	0.01	ALGL SOP 7.01
Bulk Density	47.1	lb/cu ft	0.1	TFI (4th) Method IV.C

pH was read on a 1:1 sample:water slurry after 1 hour.
Bulk Density is the average of Apparent (45.0 lb/cu ft) and Tapped (49.1 lb/ cu ft).