



Your C.O.C. #: A128839

Attention: STEPHEN LEGAREE

Alberta Urban Garden
www.albertaurbangarden.ca

Report Date: 2015/05/28
Report #: R1966184
Version: 1

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B544057

Received: 2015/05/28, 09:23

Sample Matrix: Water
Samples Received: 3

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Chlorine (Total)	3	N/A	2015/05/28	AB SOP-00032	SM 22 4500-CI G m

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

Jeremy Wakaruk, B.Sc., Senior Project Manager
Email: JWakaruk@maxxam.ca
Phone# (780) 577-7105 Ext:7105

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Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

Total cover pages: 1

RESULTS OF CHEMICAL ANALYSES OF WATER

Maxxam ID		MI0464	MI0465	MI0466		
Sampling Date						
COC Number		A128839	A128839	A128839		
	UNITS	12HR TAP WATER	FRESH TAP WATER	GARDEN HOSE TAP WATER	RDL	QC Batch

Misc. Inorganics						
Total Chlorine	mg/L	1.4 (1)	2.0	1.3	0.020	7915795

RDL = Reportable Detection Limit
 (1) Sample received past method-specified hold time.

Package 1	13.7°C
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Each temperature is the average of up to three cooler temperatures taken at receipt

General Comments

Results relate only to the items tested.



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Attention: STEPHEN LEGAREE
Client Project #:
P.O. #:
Site Location:

Quality Assurance Report
Maxxam Job Number: EB544057

QA/QC Batch Num Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	UNITS	QC Limits
7915795 MRD	Matrix Spike [MI0466-01]	Total Chlorine	2015/05/28		NC	%	80 - 120
	Spiked Blank	Total Chlorine	2015/05/28		98	%	80 - 120
	Method Blank	Total Chlorine	2015/05/28	<0.020		mg/L	
	RPD [MI0466-01]	Total Chlorine	2015/05/28	0.8		%	20

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.
Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.
Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.
Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.
NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spiked amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than 2x that of the native sample concentration).

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Validation Signature Page

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The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).



Dina Tleugabulova, Ph.D., Scientific Specialist, Inorganics Department

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