

WSP Canada Inc.

ATTN: Marc St-Germain

100 Commerce Valley Drive West

Thornhill ON L3T 0A1

Date Received: 28-MAY-20

Report Date: 04-JUN-20 14:36 (MT)

Version: FINAL

Client Phone: 905-882-4211

# Certificate of Analysis

Lab Work Order #: L2454271
Project P.O. #: 191-09337-01
Job Reference: 500015380

C of C Numbers: Legal Site Desc:

Candice Hunter Account Manager

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ADDRESS: 95 West Beaver Creek Road, Unit 1, Richmond Hill, ON L4B 1H2 Canada | Phone: +1 905 881 9887 | Fax: +1 905 881 8062 ALS CANADA LTD | Part of the ALS Group | An ALS Limited Company





### **ANALYTICAL GUIDELINE REPORT**

L2454271 CONTD....

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500015380		1147E I I	ICAL	GUID	LLII4L	KEPOK	<b>\ I</b>	(	Page 2 04-JUN-20 1	
Sample Detai Grouping	ils Analyte	Result	Qualifier	D.L.	Units	Analyzed			ne Limits	
Matrix: Total Metals		) (	\$				#1	#2		
Lead (Pb)		1.1		1.0	ug/L	04-JUN-20	10			
L2454271-2 Sampled By: Matrix:	~P2 MSGR. P. DWYER 5000153 MEREDITH CAKE on 27-MAY-20 PLUMBING		F				#1	#2		
Total Metals Lead (Pb)		<1.0		1.0	ug/L	04-JUN-20	10			

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

### **Reference Information**

#### Methods Listed (if applicable):

ALS Test Code	Matrix	Test Description	Method Reference***	
PB-ONT-DW-243-WT	Water	Lead (O.Reg 243/07)	EPA 200.8	
TURB-MET-WT	Water	Turbidity on preserved metals	APHA 2130 B	
			red by the sample under defined conditions with the inter eadings are obtained from a Nephelometer.	nsity of light scattered
*** ALS test methods may inc	cornorate mo	difications from specified reference	a methods to improve performance	
*** ALS test methods may inc	•	difications from specified reference	e methods to improve performance.	
Chain of Custody numbers	s:	<u>'</u>	e methods to improve performance.  Derformed analytical analysis for that test. Refer to the lis	t below:
Chain of Custody numbers	s: above test co	<u>'</u>		

#### **GLOSSARY OF REPORT TERMS**

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.

mg/kg - milligrams per kilogram based on dry weight of sample

mg/kg wwt - milligrams per kilogram based on wet weight of sample

mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight

mg/L - unit of concentration based on volume, parts per million.

< - Less than.

D.L. - The reporting limit.

N/A - Result not available. Refer to qualifier code and definition for explanation.

ONTARIO, CANADA

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to, fitness for a particular purpose, or non-infringement. ALS assumes no responsibility for errors or omissions in the information. Guideline limits are not adjusted for the hardness, pH or temperature of the sample (the most conservative values are used). Measurement uncertainty is not applied to test results prior to comparison with specified criteria values.



## **Quality Control Report**

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Test		Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PB-ONT-DW-243-V	VT	Water							
Batch R5	106358								
<b>WG3335043-4</b> Lead (Pb)	DUP		<b>WG3335043-3</b> 2.3	2.4		ug/L	6.3	20	04-JUN-20
<b>WG3335043-2</b> Lead (Pb)	LCS			98.3		%		70-130	04-JUN-20
<b>WG3335043-1</b> Lead (Pb)	MB			<1.0		ug/L		1	04-JUN-20
<b>WG3335043-5</b> Lead (Pb)	MS		WG3335043-3	94.7		%		70-130	04-JUN-20

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### Legend:

Limit ALS Control Limit (Data Quality Objectives)

DUP Duplicate

RPD Relative Percent Difference

N/A Not Available

LCS Laboratory Control Sample SRM Standard Reference Material

MS Matrix Spike

MSD Matrix Spike Duplicate

ADE Average Desorption Efficiency

MB Method Blank

IRM Internal Reference Material
CRM Certified Reference Material
CCV Continuing Calibration Verification
CVS Calibration Verification Standard
LCSD Laboratory Control Sample Duplicate

#### **Hold Time Exceedances:**

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against predetermined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.



ALS-Waterloo, 60 Northland Road, Unit 1, Waterloo, Ontario N2V 2B8



L2454271-COFC

#### **Environmental Division**

### **DRINKING WATER CHAIN OF CUSTODY**

ARE THE SAMPLES SUBJECT TO REGULATION 243/07?

YES Circle One

NO

IF NO IS IT AVAILABLE FOR CONSUMPTION YES NO

Please place separate schools on a SEPARATE Chain of Custody

Phone: 519-886-6910 Fax: 519-886-9047	Toll-Free 1-8	00-668-9878						_							
WORKS LAB QUOTE Q63028			CONTACT NAME		ANALYSES REQUESTED								FOR LAB USE ONLY		
Durham Catholic District School Board	PROJECT 6	11-09337-01	Scott Grieve		Pie	Please indicate test for each sample by Checkman						the bo	( belo	w	
SCHOOL NAME / ADDRESS			CONTACT PHONE/F/	AX /EMAIL											SUBMISSION NO.
MSGR. P. Dwyer, 700 Stephenson Ra, N.			Scott.grieve@dcdsb.	<u>ca</u>									ĺ		124547719
Magrie, Doder,	50 540	P 101130	marc.st.germain@wsp.com												121
Ka, N,	daniel.buck@wsp.com	<u>m</u>											DECEMED BY		
MOE DWIS REGISTRATION#		LOCAL PUBLIC HEALTH UNIT												RECEIVED BY:	
500015380			Region of Durham Public Health												(S) HO
Co-Locate Facility: NAME/DWIS#	WORK	S CATEGORY	HEALTH UNIT CONTACT PHONE/FAX		9			ۼٳ	尝				DATE/TIME: 13.00		
School X Private S Nursery			Tel: 905-668-7711 Fax: 905-666-6214		ad				or attach):	or attac	8			May 28/2	
to completely identify the sample location (e.g.		Plumbing Sample Point	Sampling Date/Time		DW Lead						1 - 1	T NOT	=	Time Check	TEMPERATURE AT RECEIPT:
School Name, Room #, etc). This descript appear on the Report.	tion will	Please indicate ONE	Date	Time	Ont						Other (	Check		Time	LAB ID
STANDING	Stand Time (hh:mm)	TAP/ OTHER													
Time-period Plumbing not in use	6+	DF	5127120	13:20											
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FLUSHED	Flush Time (hh:mm)	TAP/ OTHER		-		$\dagger \dagger$			+				+		
Length of Flushing Time															]
500015380-H144-DF-F	6:05	DF	5/27/20	13:56	\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \		_					$\equiv$	工	工	]
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RESAMPLE YES - NO;	X	Please ensure bott	le is labelled similarly												
SAMPLED BY (print):						Other Comments/Cautions (Please identify known or suspected hazards) / Reference   Please invoice to marc.st.germain@wsp.com							erence	Info (P.O. #, Proj #)	
Mereaith Cake SUBMITTED TO LAB BY: (SIGNATURE)			DATE		-										
m	5/27/	2020		WT-FM-0275f v05 Reg				75f v05 Reg 243/07 CoC							

Please photocopy for your records.

Date: 28-Feb-15