

WSP Canada Inc.

ATTN: Marc St-Germain

100 Commerce Valley Drive West

Thornhill ON L3T 0A1

Date Received: 10-JUL-20

Report Date: 20-JUL-20 14:57 (MT)

Version: FINAL

Client Phone: 905-882-4211

Certificate of Analysis

Lab Work Order #: L2472634 Project P.O. #: 191-09337-01 Job Reference: 500015640

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

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20-JUL-20 14:57 (MT)

Sample Details Grouping Analyte	Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits						
L2472634-1 ~P1 ST. JOSEPH-500015640-H ² Sampled By: D. BUCK on 10-JUL-20 @ 08:36 Matrix: PLUMBING						#1	#2					
Total Metals Lead (Pb)	<1.0		1.0	ug/L	16-JUL-20	10						
L2472634-2 ~P2 ST. JOSEPH-500015640-H ² Sampled By: D. BUCK on 10-JUL-20 @ 09:11 Matrix: PLUMBING	13-BFF-F		-			#1	#2					
Total Metals Lead (Pb)	<1.0		1.0	ug/L	16-JUL-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	Γ-WT Water Turbidity on preserved metals APHA 2130 B											
by a standard reference s	uspension un	der the same conditions. Sample i	ered by the sample under defined con readings are obtained from a Nephelo re methods to improve performance.	nditions with the intensity of light scattered ometer.								
Chain of Custody numbe	<u>'</u>	unications from specified reference	e methods to improve performance.									
The last two letters of the	above test c	ode(s) indicate the laboratory that	performed analytical analysis for that	test. Refer to the list below:								
Laboratory Definition Co	ode Labor	atory Location	Laboratory Definition Code	Laboratory Location								
WT	41.0.5	NVIRONMENTAL - WATERLOO.										

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-24	3-WT	Water							
Batch	R5154497								
WG3362958 Lead (Pb)	-4 DUP		WG3362958-3 1.3	1.3		ug/L	3.4	20	16-JUL-20
WG3362958 Lead (Pb)	-2 LCS			95.5		%		70-130	16-JUL-20
WG3362958 Lead (Pb)	-1 M B			<1.0		ug/L		1	16-JUL-20
WG3362958 Lead (Pb)	-5 MS		WG3362958-3	92.7		%		70-130	16-JUL-20

Quality Control Report

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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.





L2472634-COFC

Environmental Div.

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

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 T				4												- 1	
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Dan Buck			437-213-4850			Pleas	Please invoice to marc.st.germain@wsp.com										
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