WSP Canada Inc.
ATTN: Daniel Buck
100 Commerce Valley Drive West
Thornhill ON L3T 0A1

Date Received: 18-JUL-22
Report Date: 01-AUG-22 20:54 (MT)
Version: FINAL

Client Phone: 905-882-4211

Certificate of Analysis

Lab Work Order #: L2724733

Project P.O. #: 191-09337-01
Job Reference: 500013885
C of C Numbers:
Legal Site Desc:

Candice Hunter
Account Manager

[This report shall not be reproduced except in full without the written authority of the Laboratory.]

ANALYTICAL GUIDELINE REPORT

500013885

Sample Details Grouping	Analyte	Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits			
L2724733-1	~P1 ST. CATHERINE OF SIENA CS 500013885-BF-H117-S									
Sampled By:	LIAM DUNNETT on 15-JUL-22 @ (									
Matrix:	PLUMBING						#1	#2		
Total Metals										
	Lead (Pb)	<1.0		1.0	ug/L	28-JUL-22	10			
L2724733-2	~P2 ST. CATHERINE OF SIENA CS 500013885-BF-H117-F									
Sampled By:	LIAM DUNNETT on 15-JUL-22 @ (									
Matrix:	PLUMBING						#1	#2		
Total Metals										
	Lead (Pb)	<1.0		1.0	ug/L	28-JUL-22	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:

Ontario Drinking Water Regulation (ODWQS) JAN.1,2020 = [Suite] - ON-DW-STANDARD+GUIDELINES

#1: Schedule 1 (Microbiological) and 2 (Chemical) Standards (JAN,2020) **#2: Ontario DW Aesthetic and Operational Guidelines (June, 2006)**

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 sample	APHA 2130 B

Sample result is based on a comparison of the intensity of the light scattered by the sample under defined conditions with the intensity of light scattered by a standard reference suspension under the same conditions. Sample readings are obtained from a Nephelometer.

*** ALS test methods may incorporate modifications from specified reference methods to improve performance.

Chain of Custody numbers:

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location	Laboratory Definition Code	Laboratory Location
WT	ALS ENVIRONMENTAL - WATERLOO, ONTARIO, CANADA		

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.

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

Workorder: L2724733 Report Date: 01-AUG-22

Client: WSP Canada Inc.
100 Commerce Valley Drive West
Thornhill ON L3T 0A1
Contact: Daniel Buck

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PB-ONT-DW-243-WT	**Water**							
Batch R5829362								
WG3752900-4 DUP		**WG3752900-3**						
Lead (Pb)		<1.0	<1.0	RPD-NA	ug/L	N/A	20	28-JUL-22
WG3752900-2 LCS								
Lead (Pb)			99.8		%		70-130	28-JUL-22
WG3752900-1 MB								
Lead (Pb)			<1.0		ug/L		1	28-JUL-22
WG3752900-5 MS		**WG3752900-3**						
Lead (Pb)			100.3		%		70-130	28-JUL-22

Quality Control Report

Workorder: L2724733 Report Date: 01-AUG-22

Client: WSP Canada Inc.
100 Commerce Valley Drive West
Thornhill ON L3T 0A1
Contact: Daniel Buck

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

Sample Parameter Qualifier Definitions:

Qualifier	Description
RPD-NA	Relative Percent Difference Not Available due to result(s) being less than detection limit.

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 pre-determined 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.

20P

L2724733-COFC

ALS Laboratory G
ANALYTICAL CHEMISTRY & TESTING SERVICES

DRINKING WATER CHAIN OF CUSTODY

Environmental Division

ALS-Waterloo, 60 Northland Road, Unit 1, Waterloo, Ontario N2V 2B8
Phone: 519-886-6910 Fax: 519-886-9047 Toll-Free 1-800-668-9878

Quote #: Q63028
Project #: 191-09337-04

WORKS: Durham Catholic District School Board
SCHOOL NAME: St. Catherine of Siena CS

MOE DWIS REGISTRATION#: 500013885

ALS LAB Work Order # (lab use only): L2724733

CONTACT NAME:
WSP: Daniel Buck, Marc St. Germain
DCDSB: Scott Grieve

CONTACT PHONE , FAX / EMAIL
•Main: 437-213-4850, daniel.buck@wsp.com
•Phone: 9057131211 X13809
•Email:Claudia.Henry@dcdsb.ca, Scott.grieve@dcdsb.ca, daniel.buck@wsp.com

WORKS CATEGORY
School ✓ Nursery □
Private School □

SELECT SERVICE BELOW
(RUSH service must be pre-arranged: extra surcharges are applied)
☑ Regular (± 10 days)
□ Rush (Specify):
Due Date:

ADDRESS: 15 Bennet Ave.

LOCAL PUBLIC HEALTH UNIT NAME: Region of Durham Public Health

LOCAL PUBLIC HEALTH UNIT CONTACT PHONE/FAX
•Phone: 905-668-7711
•Fax: 905-666-6214

LENGTH PLUMBING UNUSED (hours,minutes) (hh): 6 (mm):

LENGTH OF FLUSHING TIME (minutes) (mm): 5

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

ANALYSES REQUESTED
Please indicate test for each sample by checkmark in box below

Sample # (lab use only)	SAMPLE LOCATION/FIXTURE ID	Sample Type	Sample Point	Sampling Date/Time: Date (dd/mm/yyyy)	Sampling Date/Time: Time (hh:mm)	Ont DW Lead (Reg. 243/07)				Sample/Fixture Comment (lab use only)
	500013885 - BF-H117-S	Standing (~P1)	BF	15/07/2022	6:13	X				
	" " F	Flushed (~P2)		"	6:50	X				
		Standing (~P1)								
		Flushed (~P2)								
		Standing (~P1)								
		Flushed (~P2)								
		Standing (~P1)								
		Flushed (~P2)								
		Standing (~P1)								
		Flushed (~P2)								
		Standing (~P1)								
		Flushed (~P2)								
		Standing (~P1)								
		Flushed (~P2)								

Co-Locate Facility: NAME/DWIS#
•Name: St. Catherine of Siena CCC
•DWIS#: 500110722

RESAMPLE
YES □
NO ☑

Sample Point Legend
- TAP - i.e. Tap, Sink, Faucet
- DF - Drinking Fountain
- BF - Bottle Filler

*Each sample point will have a standing and a flushed sample

SAMPLE CONDITION AS RECEIVED (lab use only): Please Circle Y - Yes / N - No
pH <2 (Y/N) Volume 1L (Y/N) Time Check (Y/N) Other (specify or attach) (Y/N)
*If (N), note detail in Sample/Fixture Comment column

INITIAL COOLER TEMPERATURE | FINAL COOLER TEMPERATURE: 23.8

SAMPLER INFORMATION
Sampled by: Liam Dunnett Date: 15/07 Time: 6:50

SHIPMENT INFORTMATION
Submitted to lab by: Liam Dunnett Date: Time:

FINAL SHIPMENT RECEPTION (lab use only)
Received by: Date: 7/18/22 Time: 1000

Please photocopy for your records.

Blank DCDSB CoC
Date: 26-APR-19
Page: 1 of 1