



TESTMARK Laboratories Ltd.

Committed to Quality and Service

CERTIFICATE OF ANALYSIS

Client:	Mark Bocy	Work Order Number:	376278
Company:	RDSB - Northeastern S.S. Elementary School	PO #:	
Address:	69 Young St Sudbury, ON, P3E 3G5	Regulation:	O.Reg. 243/07
Phone/Fax:	(705) 690-0323 / (705) 671-2442	Project #:	
Email:	bocym@rainbowschools.ca	DWS #:	500045826
		Sampled By:	Mark Bocy
Date Order Received:	6/26/2019	Analysis Started:	7/5/2019
Arrival Temperature:	17 °C	Analysis Completed:	7/8/2019

WORK ORDER SUMMARY

ANALYSES WERE PERFORMED ON THE FOLLOWING SAMPLES. THE RESULTS RELATE ONLY TO THE ITEMS TESTED.

Sample Description	Lab ID	Matrix	Type	Comments	Date Collected	Time Collected
LIBRARY T (STANDING)	1452883	Water	Plumbing		6/26/2019	7:50 AM
LIBRARY T (FLUSHED)	1452884	Water	Plumbing		6/26/2019	8:25 AM
223T S	1452885	Water	Plumbing		6/26/2019	8:00 AM
223T F	1452886	Water	Plumbing		6/26/2019	8:35 AM

METHODS AND INSTRUMENTATION

THE FOLLOWING METHODS WERE USED FOR YOUR SAMPLE(S):

Method	Lab	Description	Reference
ICPMS Reg. Water (A13)	Garson	Determination of Metals in Water by ICP/MS	Modified from SW846-6020A

REPORT COMMENTS

ESTIMATED STANDING TIME: 8 HOURS



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This report has been approved by:

Mark Charbonneau, Ph.D.
Laboratory Director



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WORK ORDER RESULTS

Sample Description	LIBRARY T (STANDING)		LIBRARY T (FLUSHED)		223T S		223T F		Units	Criteria: O.Reg. 243/07
Lab ID	1452883		1452884		1452885		1452886			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL		
Lead	4.1 [4.1]	0.1	2.7	0.1	0.6	0.1	0.3	0.1	ug/L	10

LEGEND

Dates: Dates are formatted as mm/dd/year throughout this report.

MDL: Method detection limit or minimum reporting limit.

[]: Results for laboratory replicates are shown in square brackets immediately below the associated sample result for ease of comparison.

Quality Control: All associated Quality Control data is available on request.

LCL: Lower Control Limit.

UCL: Upper Control Limit.

QAQCID: This is a unique reference to the quality control data set used to generate the reported value. Contact our lab for this information, as it is traceable through our LIMS.

Exceedences: HIGHLIGHTED CELLS INDICATE THAT THE RESULT EXCEEDS A REGULATORY LIMIT. CALCULATED UNCERTAINTY ESTIMATIONS ARE NOT APPLIED FOR DETERMINING SAMPLE EXCEEDANCES.

Benzo(b)fluoranthene: Results for benzo(b)fluoranthene may include contributions from benzo(j)fluoranthene.

Field Data: Reports containing Field Parameters represent data that has been collected and provided by the client. Testmark is not responsible for the validity of this data which may be used in subsequent calculations.

Sample Condition Deviations: A noted sample condition deviation may affect the validity of the result.



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QUALITY CONTROL DATA

THIS SECTION REPORTS QC RESULTS ASSOCIATED WITH THE TEST BATCH; THESE ARE NOT YOUR SAMPLE RESULTS.
QAQC details include only values where sufficient sample data allowed measurement.

Metals

Method Blank: LRB-6 (Blank- µg/L) (6)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	1	ug/L	0	<1	1	20190708.A13.1C

Positive Control: LFB-7 (N 100 µg/L) (7)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	%	80	93.1	120	20190708.A13.1C

Reference Sample: CRM-12 (EP-L-3) (12)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	1	ug/L	3.65	3.84	4.35	20190708.A13.1C

Sample Replicate: % RPD (4)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	%	0	0	20	20190708.A13.1C

Sample Spike: LFMS-9 (N 100 µg/L) (9)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	% Rec	70	91.6	130	20190708.A13.1C

THIS INDEX SHOWS HOW YOUR SAMPLES ARE ASSOCIATED TO THE CONTROLS INCLUDED IN THE IDENTIFIED BATCHES.

Sample Description	Lab ID	Method	QAQCID	Prep QAQCID
223T F	1452886	ICPMS Reg. Water (A13)	20190708.A13.1C	20190705.A52C
223T S	1452885	ICPMS Reg. Water (A13)	20190708.A13.1C	20190705.A52C
LIBRARY T (FLUSHED)	1452884	ICPMS Reg. Water (A13)	20190708.A13.1C	20190705.A52C
LIBRARY T (STANDING)	1452883	ICPMS Reg. Water (A13)	20190708.A13.1C	20190705.A52C
LIBRARY T (STANDING)	1452883r	ICPMS Reg. Water (A13)	20190708.A13.1C	20190705.A52C