



CERTIFICATE OF ANALYSIS

Client:	Mark Bocy	Work Order Number:	375503
Company:	RDSB - R.L. Beattie Public 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 #:	500040366
		Sampled By:	Mark Bocy
Date Order Received:	6/18/2019	Analysis Started:	6/23/2019
Arrival Temperature:	21 °C	Analysis Completed:	6/24/2019

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
T123 (STANDING)	1449656	Water	Plumbing		6/18/2019	6:00 AM
T123 (FLUSHED)	1449657	Water	Plumbing		6/18/2019	6:35 AM
T120 S	1449658	Water	Plumbing		6/18/2019	6:10 AM
T120 F	1449659	Water	Plumbing		6/18/2019	6:45 AM
T122 S	1449660	Water	Plumbing		6/18/2019	6:20 AM
T122 F	1449661	Water	Plumbing		6/18/2019	6:55 AM
T124 S	1449662	Water	Plumbing		6/18/2019	6:30 AM
T124 F	1449663	Water	Plumbing		6/18/2019	7:05 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



TESTMARK Laboratories Ltd.

Committed to Quality and Service

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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	T123 (STANDING)		T123 (FLUSHED)		T120 S		T120 F			
Lab ID	1449656		1449657		1449658		1449659			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	1.1	0.1	0.6	0.1	1.9	0.1	0.4	0.1	ug/L	10

Sample Description	T122 S		T122 F		T124 S		T124 F			
Lab ID	1449660		1449661		1449662		1449663			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	1	0.1	0.4 [0.5]	0.1	0.2	0.1	0.2	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	20190624.A13.1L
Lead	1	ug/L	0	<1	1	20190624.A13.1M

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

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	%	80	85.9	120	20190624.A13.1L
Lead	N/A	%	80	86	120	20190624.A13.1M

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

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	1	ug/L	3.65	3.62	4.35	20190624.A13.1M
Lead	1	ug/L	3.65	3.65	4.35	20190624.A13.1L

Sample Spike: LFMS-9 (N 100 µg/L) (9)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	% Rec	70	86	130	20190624.A13.1M
Lead	N/A	% Rec	70	88.2	130	20190624.A13.1L



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

Sample Description	Lab ID	Method	QAQCID	Prep QAQCID
T120 F	1449659	ICPMS Reg. Water (A13)	20190624.A13.1M	20190623.A52B
T120 S	1449658	ICPMS Reg. Water (A13)	20190624.A13.1M	20190623.A52B
T122 F	1449661	ICPMS Reg. Water (A13)	20190624.A13.1M	20190623.A52B
T122 F	1449661r	ICPMS Reg. Water (A13)	20190624.A13.1M	20190623.A52B
T122 S	1449660	ICPMS Reg. Water (A13)	20190624.A13.1M	20190623.A52B
T123 (FLUSHED)	1449657	ICPMS Reg. Water (A13)	20190624.A13.1M	20190623.A52B
T123 (STANDING)	1449656	ICPMS Reg. Water (A13)	20190624.A13.1M	20190623.A52B
T124 F	1449663	ICPMS Reg. Water (A13)	20190624.A13.1L	20190623.A52C
T124 S	1449662	ICPMS Reg. Water (A13)	20190624.A13.1L	20190623.A52C