



CERTIFICATE OF ANALYSIS

Client:	Steve McCulloch	Work Order Number:	375564
Company:	RDSB - Walden Public School	PO #:	
Address:	69 Young St. Sudbury, ON, P3E 3G5	Regulation:	O.Reg. 243/07
Phone/Fax:	(705) 674-3171 / (705) 761-2442	Project #:	
Email:	mcculls@rainbowschools.ca	DWS #:	500039118
		Sampled By:	Steve McCulloch
Date Order Received:	6/19/2019	Analysis Started:	6/27/2019
Arrival Temperature:	12 °C	Analysis Completed:	6/28/2019

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
215 Lower Standing	1449985	Water	Plumbing		6/19/2019	6:20 AM
215 Lower Flushed	1449986	Water	Plumbing		6/19/2019	6:55 AM
221 Lower Standing	1449987	Water	Plumbing		6/19/2019	6:30 AM
221 Lower Flushed	1449988	Water	Plumbing		6/19/2019	7:05 AM
139 Lower Standing	1449989	Water	Plumbing		6/19/2019	6:00 AM
139 Lower Flushed	1449990	Water	Plumbing		6/19/2019	6:35 AM
136 Standing	1449991	Water	Plumbing		6/19/2019	5:45 AM
136 Flushed	1449992	Water	Plumbing		6/19/2019	6:20 AM
107 Standing	1449993	Water	Plumbing		6/19/2019	6:10 AM
107 Flushed	1449994	Water	Plumbing		6/19/2019	6:45 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



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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	215 Lower Standing		215 Lower Flushed		221 Lower Standing		221 Lower Flushed			
Lab ID	1449985		1449986		1449987		1449988			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	<0.1	0.1	<0.1	0.1	<0.1	0.1	<0.1	0.1	ug/L	10

Sample Description	139 Lower Standing		139 Lower Flushed		136 Standing		136 Flushed			
Lab ID	1449989		1449990		1449991		1449992			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	<0.1	0.1	<0.1	0.1	<0.1	0.1	<0.1	0.1	ug/L	10

Sample Description	107 Standing		107 Flushed			
Lab ID	1449993		1449994			
Metals	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	<0.1	0.1	<0.1	0.1	ug/L	10



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LEGEND

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

MDL: Method detection limit or minimum reporting limit.

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	20190628.A13.1B

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

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	%	80	88.3	120	20190628.A13.1B

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

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	1	ug/L	3.65	3.72	4.35	20190628.A13.1B

Sample Replicate: % RPD (4)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	%	0	6.9	20	20190628.A13.1B

Sample Spike: LFMS-9 (N 100 µg/L) (9)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	% Rec	70	88.8	130	20190628.A13.1B



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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
107 Flushed	1449994	ICPMS Reg. Water (A13)	20190628.A13.1B	20190627.A52B
107 Standing	1449993	ICPMS Reg. Water (A13)	20190628.A13.1B	20190627.A52B
136 Flushed	1449992	ICPMS Reg. Water (A13)	20190628.A13.1B	20190627.A52B
136 Standing	1449991	ICPMS Reg. Water (A13)	20190628.A13.1B	20190627.A52B
139 Lower Flushed	1449990	ICPMS Reg. Water (A13)	20190628.A13.1B	20190627.A52B
139 Lower Standing	1449989	ICPMS Reg. Water (A13)	20190628.A13.1B	20190627.A52B
215 Lower Flushed	1449986	ICPMS Reg. Water (A13)	20190628.A13.1B	20190627.A52B
215 Lower Standing	1449985	ICPMS Reg. Water (A13)	20190628.A13.1B	20190627.A52B
221 Lower Flushed	1449988	ICPMS Reg. Water (A13)	20190628.A13.1B	20190627.A52B
221 Lower Standing	1449987	ICPMS Reg. Water (A13)	20190628.A13.1B	20190627.A52B