



TESTMARK Laboratories Ltd.

Committed to Quality and Service

CERTIFICATE OF ANALYSIS

Client: Mike Lavallee
Company: RDSB - Copper Cliff Public School
Address: 69 Young St
Sudbury, ON, P3E 3G5
Phone/Fax: (705) 674-3171 / (705) 761-2442
Email: lavallm@rainbowschools.ca

Work Order Number: 348195
PO #:
Regulation: O.Reg. 243/07
Project #:
DWS #: 500045852
Sampled By: Mark Bocy

Date Order Received: 6/28/2018
Arrival Temperature: 21 °C

Analysis Started: 7/3/2018
Analysis Completed: 7/5/2018

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
T 101 (Standing)	1356623	Water	Plumbing		6/28/2018	6:30 AM
T 101 (Flushed)	1356624	Water	Plumbing		6/28/2018	7:05 AM
T 107 S	1356625	Water	Plumbing		6/28/2018	6:40 AM
T 107 F	1356626	Water	Plumbing		6/28/2018	7:15 AM
T STAFF S	1356627	Water	Plumbing		6/28/2018	6:50 AM
T STAFF F	1356628	Water	Plumbing		6/28/2018	7:25 AM
F 105 S	1356629	Water	Plumbing		6/28/2018	7:00 AM
F 105 F	1356630	Water	Plumbing		6/28/2018	7:35 AM
F 106 BS (Standing)	1356631	Water	Plumbing		6/28/2018	7:10 AM
F 106 BS (Flushed)	1356632	Water	Plumbing		6/28/2018	7:45 AM

METHODS AND INSTRUMENTATION

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

Method	Lab	Description	Reference
ICPMS Reg. Water (R13.1)	Garson	Determination of Metals in Water by ICP/MS	Modified from SW846-6020A



TESTMARK Laboratories Ltd.

Committed to Quality and Service

CERTIFICATE OF ANALYSIS

RDSB - Copper Cliff Public School

Work Order Number: 348195

This report has been approved by:

Khaled Omari, Ph.D.
Laboratory Director



CERTIFICATE OF ANALYSIS

RDSB - Copper Cliff Public School

Work Order Number: 348195

WORK ORDER RESULTS

Sample Description	T 101 (Standing)		T 101 (Flushed)		T 107 S		T 107 F			
Lab ID	1356623		1356624		1356625		1356626			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	1.4	0.1	0.79	0.1	0.54	0.1	0.72	0.1	ug/L	10

Sample Description	T STAFF S		T STAFF F		F 105 S		F 105 F			
Lab ID	1356627		1356628		1356629		1356630			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	1.44	0.1	0.9	0.1	1.51	0.1	0.69	0.1	ug/L	10

Sample Description	F 106 BS (Standing)		F 106 BS (Flushed)			
Lab ID	1356631		1356632			
Metals	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	<0.1	0.1	0.11	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.

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.



TESTMARK Laboratories Ltd.

Committed to Quality and Service

CERTIFICATE OF ANALYSIS

RDSB - Copper Cliff Public School

Work Order Number: 348195

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

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

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	ug/L	3.65	4.01	4.35	20180705.R13.1C
Lead	N/A	ug/L	3.65	3.91	4.35	20180704.R13.1C

%RPD: % RPD (4)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	%	0	1.2	20	20180705.R13.1C
Lead	N/A	%	0	0	20	20180704.R13.1C

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

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	%	80	93.8	120	20180705.R13.1C
Lead	N/A	%	80	89.7	120	20180704.R13.1C

Sample Spike: LFMS-9 (N 100 µg/L) (9)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	% Rec	70	97.4	130	20180705.R13.1C
Lead	N/A	% Rec	70	88.1	130	20180704.R13.1C

Method Blank: LRB-6 (Blank- µg/L) (6)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	1	ug/L	0	<1	1	20180704.R13.1C
Lead	1	ug/L	0	<1	1	20180705.R13.1C



TESTMARK Laboratories Ltd.

Committed to Quality and Service

CERTIFICATE OF ANALYSIS

RDSB - Copper Cliff Public School

Work Order Number: 348195

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

Sample Description	Lab ID	Method	QAQCID	Prep QAQCID
F 105 F	1356630	ICPMS Reg. Water (R13.1)	20180704.R13.1C	20180703.A52J
F 105 S	1356629	ICPMS Reg. Water (R13.1)	20180704.R13.1C	20180703.A52J
F 106 BS (Flushed)	1356632	ICPMS Reg. Water (R13.1)	20180705.R13.1C	20180704.A52L
F 106 BS (Standing)	1356631	ICPMS Reg. Water (R13.1)	20180705.R13.1C	20180704.A52L
T 101 (Flushed)	1356624	ICPMS Reg. Water (R13.1)	20180705.R13.1C	20180704.A52L
T 101 (Standing)	1356623	ICPMS Reg. Water (R13.1)	20180705.R13.1C	20180704.A52L
T 107 F	1356626	ICPMS Reg. Water (R13.1)	20180705.R13.1C	20180704.A52L
T 107 S	1356625	ICPMS Reg. Water (R13.1)	20180705.R13.1C	20180704.A52L
T STAFF F	1356628	ICPMS Reg. Water (R13.1)	20180705.R13.1C	20180704.A52L
T STAFF S	1356627	ICPMS Reg. Water (R13.1)	20180705.R13.1C	20180704.A52L