



CERTIFICATE OF ANALYSIS

Client: Alain Venne
Company: RDSB - Copper Cliff Public School
Address: 408 Wembley Drive
Sudbury, ON, P3E 1P2
Phone/Fax: (705) 919-3531 / (705) 671-2442
Email: vennea@rainbowschools.ca

Work Order Number: 478030
PO #:
Regulation: O.Reg. 243/07
Project #:
DWS #: 500045852
Sampled By: Steve

Date Order Received: 9/27/2022
Arrival Temperature: 16.1 °C

Analysis Started: 10/5/2022
Analysis Completed: 10/5/2022

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
Standing- S3 room 105 Hub	1804248	Water	Plumbing		9/27/2022	6:30 AM
Flushed- S3 room 105 Hub	1804249	Water	Plumbing		9/27/2022	7:05 AM
Standing- S2 room 101	1804250	Water	Plumbing		9/27/2022	6:30 AM
Flushed- S2 room 101	1804251	Water	Plumbing		9/27/2022	7:05 AM
Standing- F1 by room 105	1804252	Water	Plumbing		9/27/2022	6:35 AM
Flushed- F1 by room 105	1804253	Water	Plumbing		9/27/2022	7:10 AM
Standing- BF 02 by room 104E	1804254	Water	Plumbing		9/27/2022	6:35 AM
Flushed- BF 02 by room 104E	1804255	Water	Plumbing		9/27/2022	7:10 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:

Mahesh Patel, B.Sc.

Laboratory Director



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WORK ORDER RESULTS

Sample Description	Standing - S3 room 105 Hub		Flushed - S3 room 105 Hub		Standing - S2 room 101		Flushed - S2 room 101			
Sample Date	9/27/2022 6:30 AM		9/27/2022 7:05 AM		9/27/2022 6:30 AM		9/27/2022 7:05 AM			
Lab ID	1804248		1804249		1804250		1804251			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	0.6	0.1	0.4	0.1	0.5	0.1	0.3	0.1	ug/L	10

Sample Description	Standing - F1 by room 105		Flushed - F1 by room 105		Standing - BF 02 by room 104E		Flushed - BF 02 by room 104E			
Sample Date	9/27/2022 6:35 AM		9/27/2022 7:10 AM		9/27/2022 6:35 AM		9/27/2022 7:10 AM			
Lab ID	1804252		1804253		1804254		1804255			
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



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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.

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. Results apply to the sample(s) as received.

Reproduction of Report: Report shall not be reproduced, except in full, without the approval of Testmark Laboratories Ltd.

ICPMS Dustfall Insoluble: The ICPMS Dustfall Insoluble Portion method analyzes only the particulate matter from the Dustfall Sampler which is retained on the analysis filter during the Dustfall method.

Regulation Comparisons: Disclaimer: Please note that regulation criteria are provided for comparative purposes, however the onus on ensuring the validity of this comparison rests with the client.



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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) (6)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	0.1	ug/L	0	<0.1	0.3	20221005.A13.1D

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

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	%	85	102	115	20221005.A13.1D

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

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	1	ug/L	2.58	4.19	5.38	20221005.A13.1D

Sample Replicate: % RPD (4)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	%	0	0	20	20221005.A13.1D

Sample Spike: LFMS-9 (N 100 µg/L) (9)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	% Rec	70	97.6	130	20221005.A13.1D

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

Sample Description	Lab ID	Method	QAQCID	Prep QAQCID
Flushed - BF 02 by room 104E	1804255	ICPMS Reg. Water (A13)	20221005.A13.1D	20221004.A52F
Flushed - F1 by room 105	1804253	ICPMS Reg. Water (A13)	20221005.A13.1D	20221004.A52F
Flushed - S2 room 101	1804251	ICPMS Reg. Water (A13)	20221005.A13.1D	20221004.A52F
Flushed - S3 room 105 Hub	1804249	ICPMS Reg. Water (A13)	20221005.A13.1D	20221004.A52F
Standing - BF 02 by room 104E	1804254	ICPMS Reg. Water (A13)	20221005.A13.1D	20221004.A52F
Standing - F1 by room 105	1804252	ICPMS Reg. Water (A13)	20221005.A13.1D	20221004.A52F
Standing - S2 room 101	1804250	ICPMS Reg. Water (A13)	20221005.A13.1D	20221004.A52F
Standing - S3 room 105 Hub	1804248	ICPMS Reg. Water (A13)	20221005.A13.1D	20221004.A52F