**TESTMARK Laboratories Ltd.**
*Committed to Quality and Service*

# CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| Client: | Lisa Polano | Work Order Number: | 498977 |
| Company: | RDSB - Confederation Secondary School | PO #: | |
| Address: | 408 Wembley Drive<br>Sudbury, ON, P3E 1P2 | Regulation:<br>Project #: | O.Reg. 243/07 |
| Phone/Fax: | (705) 690-5929 / (705) 671-2442 | DWS #: | 500111593 |
| Email: | polanol@rainbowschools.ca | Sampled By: | Lisa Polano |
| Date Order Received: | 5/15/2023 | Analysis Started: | 5/16/2023 |
| Arrival Temperature: | 12 °C | Analysis Completed: | 5/17/2023 |

## 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 - BF 5 by S-1000 | 1879688 | Water | Plumbing | | 5/13/2023 | 6:00 AM |
| Flushed - BF 5 by S-1000 | 1879689 | Water | Plumbing | | 5/13/2023 | 6:35 AM |
| Standing - BF-04 by S-1003 | 1879690 | Water | Plumbing | | 5/13/2023 | 6:05 AM |
| Flushed - BF-04 by S-1003 | 1879691 | Water | Plumbing | | 5/13/2023 | 6:40 AM |
| Standing - T-1 Servery | 1879692 | Water | Plumbing | | 5/13/2023 | 6:10 AM |
| Flushed - T-1 Servery | 1879693 | Water | Plumbing | | 5/13/2023 | 6:45 AM |

## METHODS AND INSTRUMENTATION

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

| Method | Lab | Description | Reference |
|---|---|---|---|
| ICPMS Reg. Water (A13.1) | Garson | Determination of Metals in Water by ICP/MS | Modified from SW846-6020A |


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This report has been approved by:

Brad Halvorson, B.Sc.
Laboratory Director



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## WORK ORDER RESULTS

| Sample Description | Standing - BF 5 by S - 1000 | | Flushed - BF 5 by S - 1000 | | Standing - BF - 04 by S - 1003 | | Flushed - BF - 04 by S - 1003 | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sample Date | 5/13/2023 6:00 AM | | 5/13/2023 6:35 AM | | 5/13/2023 6:05 AM | | 5/13/2023 6:40 AM | | | |
| Lab ID | 1879688 | | 1879689 | | 1879690 | | 1879691 | | | |
| **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 | Standing - T - 1 Servery | | Flushed - T - 1 Servery | | | |
|---|---|---|---|---|---|---|
| Sample Date | 5/13/2023 6:10 AM | | 5/13/2023 6:45 AM | | | |
| Lab ID | 1879692 | | 1879693 | | | |
| **Metals** | Result | MDL | Result | MDL | Units | Criteria: O.Reg. 243/07 |
| Lead | 3.8 | 0.1 | 0.6 | 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.

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.



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 | 20230517.A13.1D |

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

| Parameter | MDL | Units | LCL | Result | UCL | QAQCID |
|---|---|---|---|---|---|---|
| Lead | N/A | % | 85 | 110 | 115 | 20230517.A13.1D |

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

| Parameter | MDL | Units | LCL | Result | UCL | QAQCID |
|---|---|---|---|---|---|---|
| Lead | 1 | ug/L | 2.58 | 4.43 | 5.38 | 20230517.A13.1D |

**Sample Spike: LFMS-9 (N 100 µg/L) (9)**

| Parameter | MDL | Units | LCL | Result | UCL | QAQCID |
|---|---|---|---|---|---|---|
| Lead | N/A | % Rec | 70 | 109 | 130 | 20230517.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 - 04 by S - 1003 | 1879691 | ICPMS Reg. Water (A13.1) | 20230517.A13.1D | 20230516.A52ZO |
| Flushed - BF 5 by S - 1000 | 1879689 | ICPMS Reg. Water (A13.1) | 20230517.A13.1D | 20230516.A52ZO |
| Flushed - T - 1 Servery | 1879693 | ICPMS Reg. Water (A13.1) | 20230517.A13.1D | 20230516.A52ZO |
| Standing - BF - 04 by S - 1003 | 1879690 | ICPMS Reg. Water (A13.1) | 20230517.A13.1D | 20230516.A52ZO |
| Standing - BF 5 by S - 1000 | 1879688 | ICPMS Reg. Water (A13.1) | 20230517.A13.1D | 20230516.A52ZO |
| Standing - T - 1 Servery | 1879692 | ICPMS Reg. Water (A13.1) | 20230517.A13.1D | 20230516.A52ZO |



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