

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

CERTIFICATE OF ANALYSIS

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

Work Order Number: 347988
PO #:
Regulation: O.Reg. 243/07
Project #:
DWS #: 500141350
Sampled By: Mark Bocy

Date Order Received: 6/26/2018
Arrival Temperature: 10 °C

Analysis Started: 6/29/2018
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 |
|--------------------|---------|--------|----------|----------|----------------|----------------|
| F224 C Standing | 1355876 | Water | Plumbing | | 6/26/2018 | 6:30 AM |
| F224 C Flushed | 1355877 | Water | Plumbing | | 6/26/2018 | 7:05 AM |
| F130 A Standing | 1355878 | Water | Plumbing | | 6/26/2018 | 6:40 AM |
| F130 A Flushed | 1355879 | Water | Plumbing | | 6/26/2018 | 7:15 AM |
| F125 A Standing | 1355880 | Water | Plumbing | | 6/26/2018 | 6:50 AM |
| F125 A Flushed | 1355881 | Water | Plumbing | | 6/26/2018 | 7:25 AM |
| FBS Café Standing | 1355882 | Water | Plumbing | | 6/26/2018 | 7:00 AM |
| FBS Café Flushed | 1355883 | Water | Plumbing | | 6/26/2018 | 7:35 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 |



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RDSB - Lively District Secondary School

Work Order Number: 347988

This report has been approved by:

Khaled Omari, Ph.D.
Laboratory Director



CERTIFICATE OF ANALYSIS

RDSB - Lively District Secondary School

Work Order Number: 347988

WORK ORDER RESULTS

| Sample Description | F224 C Standing | | F224 C Flushed | | F130 A Standing | | F130 A Flushed | | | |
|--------------------|-----------------|-----|----------------|-----|-----------------|-----|----------------|-----|-------|-------------------------|
| Lab ID | 1355876 | | 1355877 | | 1355878 | | 1355879 | | | |
| Metals | Result | MDL | Result | MDL | Result | MDL | Result | MDL | Units | Criteria: O.Reg. 243/07 |
| Lead | 4.62 | 0.1 | 1.11 | 0.1 | 8.79 | 0.1 | 3.34 | 0.1 | ug/L | 10 |

| Sample Description | F125 A Standing | | F125 A Flushed | | FBS Café Standing | | FBS Café Flushed | | | |
|--------------------|-----------------|-----|----------------|-----|-------------------|-----|------------------|-----|-------|-------------------------|
| Lab ID | 1355880 | | 1355881 | | 1355882 | | 1355883 | | | |
| Metals | Result | MDL | Result | MDL | Result | MDL | Result | MDL | Units | Criteria: O.Reg. 243/07 |
| Lead | 3.99 | 0.1 | 1.61 | 0.1 | <0.1 | 0.1 | <0.1 | 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.



CERTIFICATE OF ANALYSIS

RDSB - Lively District Secondary School

Work Order Number: 347988

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

Sample Spike: LFMS-9 (N 100 µg/L) (9)

| Parameter | MDL | Units | LCL | Result | UCL | QAQCID |
|-----------|-----|-------|-----|--------|-----|-----------------|
| Lead | N/A | % Rec | 70 | 95.7 | 130 | 20180702.R13.1B |

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

| Parameter | MDL | Units | LCL | Result | UCL | QAQCID |
|-----------|-----|-------|-----|--------|-----|-----------------|
| Lead | N/A | % | 80 | 95.3 | 120 | 20180702.R13.1B |

Method Blank: LRB-6 (Blank- µg/L) (6)

| Parameter | MDL | Units | LCL | Result | UCL | QAQCID |
|-----------|-----|-------|-----|--------|-----|-----------------|
| Lead | 1 | ug/L | 0 | <1 | 1 | 20180702.R13.1B |

%RPD: % RPD (4)

| Parameter | MDL | Units | LCL | Result | UCL | QAQCID |
|-----------|-----|-------|-----|--------|-----|-----------------|
| Lead | N/A | % | 0 | 0.8 | 20 | 20180702.R13.1B |

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

| Parameter | MDL | Units | LCL | Result | UCL | QAQCID |
|-----------|-----|-------|------|--------|------|-----------------|
| Lead | N/A | ug/L | 3.65 | 3.98 | 4.35 | 20180702.R13.1B |

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

| Sample Description | Lab ID | Method | QAQCID | Prep QAQCID |
|--------------------|---------|--------------------------|-----------------|---------------|
| F125 A Flushed | 1355881 | ICPMS Reg. Water (R13.1) | 20180702.R13.1B | 20180629.A52N |
| F125 A Standing | 1355880 | ICPMS Reg. Water (R13.1) | 20180702.R13.1B | 20180629.A52N |
| F130 A Flushed | 1355879 | ICPMS Reg. Water (R13.1) | 20180702.R13.1B | 20180629.A52N |
| F130 A Standing | 1355878 | ICPMS Reg. Water (R13.1) | 20180702.R13.1B | 20180629.A52N |
| F224 C Flushed | 1355877 | ICPMS Reg. Water (R13.1) | 20180702.R13.1B | 20180629.A52N |
| F224 C Standing | 1355876 | ICPMS Reg. Water (R13.1) | 20180702.R13.1B | 20180629.A52N |
| FBS Café Flushed | 1355883 | ICPMS Reg. Water (R13.1) | 20180702.R13.1B | 20180629.A52N |
| FBS Café Standing | 1355882 | ICPMS Reg. Water (R13.1) | 20180702.R13.1B | 20180629.A52N |

DRINKING WATER CHAIN OF CUSTODY FORM

Please use our General Chain of Custody Form for non-drinking water sample submissions

[illegible]

7 Margaret Street, Garson, ON, P3L 1E1 • 705-693-1121 (P) • 705-693-1121 (F) • customer.service@testmark.ca
100 Wilson Ave., Suite 102, Timmins, ON, P4N 2S9 • 705-531-1121 (P) • 705-531-1121 (F) • timmins@testmark.ca
6820 Kitimat Road Unit #1, Mississauga, ON, L5N 5M3 • 905-821-1112 (P) • 905-821-1112 (F) • csr-mississauga@testmark.ca

*** Please contact Customer Service for assistance with customized schedule 15.1 testing.

Please use separate CofC's for each Waterworks. Samples must be received below 10°C with evidence that an attempt was made to ensure adequate cooling.

rk.ca
ark.ca
restmark.ca
j.
CONFIRMATION REPORT
SENT



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Company: RDSB - Lively District Secondary School
Address: 69 Young St.
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Phone/Fax: (705) 674-3171 / (705) 761-2442
Email: lavallm@rainbowschools.ca

Work Order Number: 347983
PO #:
Regulation: O.Reg. 243/07
Project #:
DWS #: 500141350
Sampled By: Mark Bocy

Date Order Received: 6/26/2018
Arrival Temperature: 10 °C

Analysis Started: 6/29/2018
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 |
|--------------------|---------|--------|----------|----------|----------------|----------------|
| T109 A Standing | 1355862 | Water | Plumbing | | 6/26/2018 | 7:10 AM |
| T109 A Flushed | 1355863 | Water | Plumbing | | 6/26/2018 | 7:45 AM |
| T112 Standing | 1355864 | Water | Plumbing | | 6/26/2018 | 7:20 AM |
| T112 Flushed | 1355865 | Water | Plumbing | | 6/26/2018 | 7:55 AM |

METHODS AND INSTRUMENTATION

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This report has been approved by:

Khaled Omari, Ph.D.
Laboratory Director



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WORK ORDER RESULTS

| Sample Description | T109 A Standing | | T109 A Flushed | | T112 Standing | | T112 Flushed | | | |
|--------------------|-----------------|-----|----------------|-----|---------------|-----|--------------|-----|-------|----------------------------|
| Lab ID | 1355862 | | 1355863 | | 1355864 | | 1355865 | | | |
| Metals | Result | MDL | Result | MDL | Result | MDL | Result | MDL | Units | Criteria: O.Reg. 243/07 |
| Lead | 2.8 | 0.1 | 1.94 | 0.1 | 6.11 | 0.1 | 2.11 | 0.1 | ug/L | 10 |

LEGEND

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

| Parameter | MDL | Units | LCL | Result | UCL | QAQCID |
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| Parameter | MDL | Units | LCL | Result | UCL | QAQCID |
|-----------|-----|-------|-----|--------|-----|-----------------|
| Lead | N/A | % | 80 | 95.3 | 120 | 20180702.R13.1B |

%RPD: % RPD (4)

| Parameter | MDL | Units | LCL | Result | UCL | QAQCID |
|-----------|-----|-------|-----|--------|-----|-----------------|
| Lead | N/A | % | 0 | 0.8 | 20 | 20180702.R13.1B |

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

| Parameter | MDL | Units | LCL | Result | UCL | QAQCID |
|-----------|-----|-------|------|--------|------|-----------------|
| Lead | N/A | ug/L | 3.65 | 3.98 | 4.35 | 20180702.R13.1B |

Method Blank: LRB-6 (Blank- µg/L) (6)

| Parameter | MDL | Units | LCL | Result | UCL | QAQCID |
|-----------|-----|-------|-----|--------|-----|-----------------|
| Lead | 1 | ug/L | 0 | <1 | 1 | 20180702.R13.1B |

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|--------------------|---------|--------------------------|-----------------|---------------|
| T109 A Flushed | 1355863 | ICPMS Reg. Water (R13.1) | 20180702.R13.1B | 20180629.A52N |
| T109 A Standing | 1355862 | ICPMS Reg. Water (R13.1) | 20180702.R13.1B | 20180629.A52N |
| T112 Flushed | 1355865 | ICPMS Reg. Water (R13.1) | 20180702.R13.1B | 20180629.A52N |
| T112 Standing | 1355864 | ICPMS Reg. Water (R13.1) | 20180702.R13.1B | 20180629.A52N |



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