



TESTMARK Laboratories Ltd.

Committed to Quality and Service

CERTIFICATE OF ANALYSIS

Client: Mark Bocy
Company: RDSB - Manitoulin Secondary School
Address: 69 Young St.
Sudbury, ON, P3E 3G5
Phone/Fax: (705) 690-0323 / (705) 671-2442
Email: bocym@rainbowschools.ca;
lavallm@rainbowschools.ca

Work Order Number: 276267
PO #:
Regulation: O.Reg. 243/07
Project #:
DWS #: 500039014
Sampled By:

Date Order Received: 6/15/2016
Arrival Temperature: 10 °C

Analysis Started: 6/20/2016
Analysis Completed: 6/21/2016

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
Staff Room (Standing)	727242	Treated Water	Plumbing		6/15/2016	6:30 AM
Staff Room (Flushed)	727243	Treated Water	Plumbing		6/15/2016	7:05 AM

METHODS AND INSTRUMENTATION

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

Method	Lab	Description	Reference
ICPMS Water	Garson	Determination of Metals in Water by ICP/MS	Based on SW846-6020A

REPORT COMMENTS

Estimated Standing Time: 8.5 hours

This report has been approved by:

Khaled Omari, Ph.D.
Laboratory Director



CERTIFICATE OF ANALYSIS

RDSB - Manitoulin Secondary School

Work Order Number: 276267

WORK ORDER RESULTS

Sample Description	Staff Room (Standing)		Staff Room (Flushed)			
Lab ID	727242		727243			
Metals	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	3.94	0.1	3.94	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.



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RDSB - Manitoulin Secondary School

Work Order Number: 276267

QUALITY CONTROL DATA

THIS SECTION REPORTS QC RESULTS ASSOCIATED WITH THE TEST BATCH; THESE ARE NOT YOUR SAMPLE RESULTS

Metals							
%RPD							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	N/A	%	0	2.7	20	20160620.R13-5o1	
Method Blank							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	1	ug/L	0	<1	1	20160620.R13-5o1	
Positive Control							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	N/A	%	80	99.8	120	20160620.R13-5o1	
Reference Sample							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	N/A	% Rec	80	101	120	20160620.R13-5o1	
Sample Spike							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	N/A	% Rec	70	96.6	130	20160620.R13-5o1	

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

Sample Description	Lab ID	Method	QAQCID	Prep QAQCID
Staff Room (Flushed)	727243	ICPMS Water	20160620.R13-5o1	20160620.R52K
Staff Room (Standing)	727242	ICPMS Water	20160620.R13-5o1	20160620.R52K

DRINKING WATER CHAIN OF CUSTODY FORM

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

REPORT TO: Client: <u>RDSB - Manitoulin S.S.</u> Address: <u>107 Bay Street</u> <u>M'Chigeeng, ON P0P 1G0</u> Contact: <u>Mark Bocy</u> Email: <u>bocym@rainbowschools.ca; lavallm@rainbowschools.ca</u> Phone: <u>705-674-3174</u> Fax: _____	INVOICE TO: (if different from Report) Client: <u>RDSB</u> Address: <u>69 Yvonne St</u> <u>Sudbury ONT</u> Contact: _____ Email: _____ Phone: _____ Fax: _____	PROJECT INFORMATION: TM Quote #: _____ Client P.O. #: _____ Client Project #: _____
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REPORTING/INVOICING FORMAT <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email <input type="checkbox"/> Mail QC DATA REPORTED <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No SAMPLE DISPOSAL <input type="checkbox"/> Hold <input checked="" type="checkbox"/> Dispose <input type="checkbox"/> Return	TURN AROUND TIME (TAT)* <input type="checkbox"/> 1 Business Day <input type="checkbox"/> 2 Business Days <input type="checkbox"/> 3 Business Days <input checked="" type="checkbox"/> Standard SPECIFIC DATE: <u>Thurs 23</u> <small>* Prior arrangements must be made for rush/weekend/holiday work</small>	ANALYSIS REQUESTED <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th rowspan="2">Resample (Yes or No?)</th> <th rowspan="2">ICPMS 1 (Pb)</th> <th colspan="12">Analysis Requested</th> <th colspan="2">Residual Chlorine</th> </tr> <tr> <th>Free</th> <th>Total</th> <th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>	Resample (Yes or No?)	ICPMS 1 (Pb)	Analysis Requested												Residual Chlorine		Free	Total																																	LABORATORY USE ONLY WORK ORDER NUMBER: <div style="font-size: 2em; color: red; font-weight: bold;">276267</div>
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**Type: R=Raw, T=Entry/Treated, D=Distribution, P=Plumbing (O.REG. 170 / O.REG. 318 / 319 / O.REG. 243)	REGULATION Waterworks # <u>500009503</u> ? <input type="checkbox"/> O. REG. 170 <input type="checkbox"/> O. REG. 318/319 <u>5000-3904</u> ? <input checked="" type="checkbox"/> O. REG. 243 <input type="checkbox"/> ODWS LSN Form Submitted to MOE/PHU? <input type="checkbox"/> Not Applicable <input type="checkbox"/> Yes <input type="checkbox"/> No Are these water samples for human consumption? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Are the results reportable as per O. REG. 170/318/319? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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COMMENTS/FIELD NOTES: <div style="background-color: orange; padding: 5px; display: inline-block; margin: 5px;">8.5 hours</div>	REGULATION O. REG. 170/318/319 Only: Phone: <u>705-522-9200</u> Public Health Unit: <u>SDHU</u> Fax: <u>705-677-9607</u> Relinquished to Testmark By (Signature) _____ Date _____ Time _____
ESTIMATED STANDING TIME: Sampled By (Print and Sign) <u>Chris Goss</u> Date <u>June 15/16</u> Time <u>10:00 am</u> Received By (Print and Sign) <u>Steve McElwain</u> Date <u>June 15/16</u> Time <u>10:10 am</u>	Shipped By <u>hand</u> Shipping Reference <u>N/A</u> Received at Testmark By <u>em</u> Date <u>6-15-16</u> Time <u>1350</u>

*** Please contact Customer Service for assistance with customized CofC's for 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.



TESTMARK Laboratories Ltd.

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Confirmation of Sample Receipt

Your samples have been received at Testmark's Sample Reception and have now been issued a unique Work Order number as well as unique Sample I.D. numbers.

Here are some details of your submission:

Client Name: RDSB - Manitoulin Secondary School
Contact: Mark Bocy
Project Number:
Work Order #: 276267
Date Received: 6/15/2016
Method of Shipment: Hand
Waybill Reference #: N/A
Estimated Date of Completion*: 6/23/2016
Water Works #: 500039014

Sample Details

Sample Number	Sample Date	Sample Description	Analysis	Regulation (if applicable)
727242	6/15/2016	Staff Room (Standing)	ICPMS Water	O.Reg. 243/07
727242	6/15/2016	Staff Room (Standing)	MetalsWater/Prep	O.Reg. 243/07
727243	6/15/2016	Staff Room (Flushed)	ICPMS Water	O.Reg. 243/07
727243	6/15/2016	Staff Room (Flushed)	MetalsWater/Prep	O.Reg. 243/07

Entry of your submission is based on information contained on your Chain of Custody. If you have any questions regarding this submission, kindly contact Testmark's Customer Service department by email using customer.service@testmark.ca

* Please note this is an estimated date. Over 95% of our reports are completed within 5 business days. Please note however that non-routine and subcontracted analyses may significantly exceed normal turnaround times.

In these cases, a partial report may be issued.