

Client: Mark Bocy Work Order Number: 346516 RDSB - R.L. Beattie Public School PO #: Company: O.Reg. 243/07 Address: 69 Young St Regulation: Sudbury, ON, P3E 3G5 Project #: (705) 674-3171 / (705) 761-2442 Phone/Fax: DWS #: 500040366 Email: bocym@rainbowschools.ca Sampled By: Mark Bocy Date Order Received: 6/12/2018 Analysis Started: 6/14/2018 20 °C Arrival Temperature: Analysis Completed: 6/15/2018

### **WORK ORDER SUMMARY**

ANALYSES WERE PERFORMED ON THE FOLLOWING SAMPLES. THE RESULTS RELATE ONLY TO THE ITEMS TESTED.

Sample Description	Lab ID	Matrix	Туре	Comments	Date Collected	Time Collected
T 114 (Standing)	1106917	Water	Plumbing		6/12/2018	7:10 AM
T 114 (Flushed)	1106918	Water	Plumbing		6/12/2018	7:45 AM
T 115 S	1106919	Water	Plumbing		6/12/2018	7:20 AM
T 115 F	1106920	Water	Plumbing		6/12/2018	7:55 AM
F 115 S	1106921	Water	Plumbing		6/12/2018	7:30 AM
F 115 F	1106922	Water	Plumbing		6/12/2018	8:05 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

This report has been approved by:

Khaled Omari, Ph.D. Laboratory Director



RDSB - R.L. Beattie Public School Work Order Number: 346516

#### **WORK ORDER RESULTS**

Sample Description  Lab ID	· ·	Standing) 6917	`	Flushed) 6918	<b>T 115 S</b> 1106919		<b>T 115 F</b> 1106920			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	3.15	0.1	0.33	0.1	1.25	0.1	1.36	0.1	ug/L	10
Sample Description  Lab ID		<b>15 S</b> 6921		<b>15 F</b> 6922						
Metals	Result	MDL	Result	MDL	Units	Criteria: O.Re 243/07	g.			
Lead	1.09	0.1	0.61	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.



RDSB - R.L. Beattie Public School Work Order Number: 346516

#### **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- μg/L) (6) Parameter MDL Units LCL Result UCL QAQCID 0 20180615.R13-5o1 Lead ug/L <1 Positive Control: LFB-7 (N 100 µg/L) (7) LCL Parameter MDL Units Result UCL QAQCID 80 Lead N/A % 90.9 120 20180615.R13-5o1 Reference Sample: CRM-12 (EP-L-3) (12) Parameter LCL UCL MDL Units Result **QAQCID** 80 120 20180615.R13-5o1 Lead N/A % Rec 99.2 Sample Spike: LFMS-10 (N 100 μg/L) (10) Parameter MDL Units LCL Result UCL QAQCID

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

% Rec

N/A

Sample Description	Lab ID	Method	QAQCID	Prep QAQCID
F 115 F	1106922	ICPMS Reg. Water (R13.1)	20180615.R13-5o1	20180614.A52M
F 115 S	1106921	ICPMS Reg. Water (R13.1)	20180615.R13-5o1	20180614.A52M
T 114 (Flushed)	1106918	ICPMS Reg. Water (R13.1)	20180615.R13-5o1	20180614.A52M
T 114 (Standing)	1106917	ICPMS Reg. Water (R13.1)	20180615.R13-5o1	20180614.A52M
T 115 F	1106920	ICPMS Reg. Water (R13.1)	20180615.R13-5o1	20180614.A52M
T 115 S	1106919	ICPMS Reg. Water (R13.1)	20180615.R13-5o1	20180614.A52M

70

91.9

130

Lead

20180615.R13-5o1

1	
	<b>TESTMARK Laboratories</b>
ب	Committed to Quality and Service

V-TM-DW-2012-3.0

DRINKING WATER CHAIN OF CUSTODY FORM	Page	1	of	1	
Please use our General Chain of Custody Form for non-drinking water sample submissions					

	ORT TO:					IN	VOI	CE T	го:	(if di	ffere	nt fro	om R	epor	t)				PROJECT INFORMATION:						
Client:				F	RDSB - R.L. Beatti	e P.S.	14-14-10-10-10	Clie	nt:												TM C	luote #:			
Address: _					102 Loach's Ro	ad	Margarathia	Address:								Clien	t P.O. #:			A					
_					Sudbury, ON P3E	2P7	Sanday "								Clien	t Project #:									
Contact:					Mark Bocy			Con	Contact:						, , , , , , , , , , , , , , , , , , , ,										
Email:		bocy	m@ra	inbov	wschools.ca; lavallr	chools.ca; lavallm@rainbowschools.ca				Email:								144							
Phone:	705	5-674-	3171		Fax:		10150	Pho	ne:					F	ах:			1							
REPORTI	NG/INVOI	CING	FORM	IAT	TURN A	ROUND TIME (							ANA	LYSIS	REOL	JESTE	D			30		LABOR	ATORY U	SE ONLY	,
Fax	✓ Email		Mail		1 Business D	Day 2 Busi	ness Days			T	T	T	T				T	T	9	υ			ORK ORDER		
QC	DATA RE	PORTE	ED		3 Business D	ays 🗸 Standa	ard	No?)												5	Q			THOTIBER	
✓Yes			No			1. [	1 20	9											3	5	RECEIVED	0.1	11	- 11	
	AMPLE DIS		L		SPECIFIC DATE:	ngements must b	1 20	(Yes	2					*					1	<u>a</u>	REC	ZL	LIA	216	0
Hold	✓ Dispos		]Retu	ırn		veekend/holidav			(Pb)						h h				7	n s		5	TW		
	SAMPLI			_			Water Trax																		
DATE (mm-dd-yy)	TIME	-	уре**	_	SAMPLE DES	CRIPTION	# (if appl)	ssar	ICPMS										Free	Total	TNC				
(IIIII-uu-yy)		R	T D	-	7 1/1/	-		- A	1	-	_	$\rightarrow$	_	-		$\sqcup$	_		뇬	<u></u>	ŭ	ТЕМР	Btl. Type	Lab II	D
(-1) 18	7:45	-	+	X	7/14	(Standing)		-	Х	_	-	-	-	$\vdash$		$\vdash$	_				1	20	JUP	11069	
11/18	7-70	$\vdash$	+	X	1119	(Flushed)		$\vdash$	X	$\dashv$	$\dashv$	-	+	$\vdash$	+	$\vdash$	-	-	-					11000	118
6-11-18	7555	$\vdash$	+	Je	7115	-		$\vdash$	ط ط	+	$\dashv$	+	+	$\vdash$	+-	$\vdash$	-	+	-		1			1106	414
6-17-18	7:30		1	صلا	FILE			$\vdash$	V	$\dashv$	$\dashv$	+	+		+-	$\vdash$	-	+						11000	100
6-17-18		1		X	FIIS	F		$\vdash$	6	$\dashv$	$\dashv$	+	+	$\vdash$	+	$\vdash$	$\dashv$	+			1	11	1	1100	104
						-			~	$\dashv$	$\dashv$		+		+	$\vdash$	$\dashv$	+			1	V	<b>V</b>	1100	100
							.e. 1981		$\Box$	- 1		$\neg$	$\top$		$\top$	$\vdash$									
																							na centre		
	R=Raw, T 9 / O.REG			eate	ed, D=Distribut	ion, P=Plumb	ing (O.REG. 17	70 /	O.RE	G.	NOIL	Waterwo	orks #	500	0403	66		). REG			REG	. 318/319	s		
Adverse	and Excee	danc	e No	tifica	ation Informatio	on:					FA]	LSN F	orm :	Subm	itted	to Mo	DE/PH	IU?		□No	t App	olicable	Yes		No
Name: I	Mark Bocy	FUL	PELL		Cell:	705-690-0323					REGULA	Are th	ese ı	water	samp	les f	or hu	man d	consu	— mptio	n?		✓Yes		
	hone: 705-671-3174 x 7231 Fax: 705-761-2442								_	_ /	Are th					as pe	r O. F	REG. 1	.70/3			Yes	~N	No	
COMMENTS/FIELD NOTES:								- 1		EG. 1			9 On SDI	,					Pho		05-522-920				
												nquish					Signa	ature)			Fax:	Date	05-677-960	Time.	
ESTIMATED STANDING TIME:							- [	i (Cili	M	V	100	a	15	DC	~				6-0	1-18	90	60			
Sampled By (Print and Sign)  Date  (-() - (8)					Tig	Time Shipped By Shipping					ce														
Received By (Print and Sign)  Date					Tin	ne									Date	e12/18	Time 9: 5	5391							

7 Margaret Street, Garson, ON, P3L 1E1 • 705-693-1121 (P) • 705-693-1124 (F) • customer.service@testmark.ca 100 Wilson Ave., Suite 102, Timmins, ON, P4N 2S9 • 705-531-1121 (P) • 705-531 (1125 (F) • timmins@testmark.ca

6820 Kitimat Road Unit #1, Mississauga, ON, L5N 5M3 • 905-821-1112 (P) • 905-821-2095 (F) • csr-mississauga@testmark.caCONFIRMATION REPORT

\*\*\* Please contact Customer Service for assistance with customized Caffel for School Land Confirmation Confirmat \*\*\* 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 cool to 10°C with evidence that an attempt was made to ensure adequate cool to 10°C with evidence that an attempt was made to ensure adequate cool to 10°C with evidence that an attempt was made to ensure adequate cool to 10°C with evidence that an attempt was made to ensure adequate cool to 10°C with evidence that an attempt was made to ensure adequate cool to 10°C with evidence that an attempt was made to ensure adequate cool to 10°C with evidence that an attempt was made to ensure adequate cool to 10°C with evidence that an attempt was made to ensure adequate cool to 10°C with evidence that an attempt was made to ensure adequate cool to 10°C with evidence that an attempt was made to ensure adequate cool to 10°C with evidence that an attempt was made to 10°C with evidence that an attempt was made to 10°C with evidence that an attempt was made to 10°C with evidence that an attempt was made to 10°C with evidence that an attempt was made to 10°C with evidence that an attempt was made to 10°C with evidence that an attempt was made to 10°C with evidence that an attempt was made to 10°C with evidence that was ma



Client: Mark Bocy Work Order Number: 346514 RDSB - R.L. Beattie Public School PO #: Company: 69 Young St O.Reg. 243/07 Address: Regulation: Sudbury, ON, P3E 3G5 Project #: (705) 674-3171 / (705) 761-2442 Phone/Fax: DWS #: 500040366 bocym@rainbowschools.ca Sampled By: Email: Mark Bocy Date Order Received: 6/12/2018 Analysis Started: 6/14/2018 20 °C Arrival Temperature: Analysis Completed: 6/15/2018

#### **WORK ORDER SUMMARY**

ANALYSES WERE PERFORMED ON THE FOLLOWING SAMPLES. THE RESULTS RELATE ONLY TO THE ITEMS TESTED.

Sample Description	Lab ID	Matrix	Туре	Comments	Date Collected	Time Collected
F 106 (Standing)	1106904	Water	Plumbing		6/12/2018	6:30 AM
F 106 (Flushed)	1106905	Water	Plumbing		6/12/2018	7:05 AM
T 105 S	1106906	Water	Plumbing		6/12/2018	6:40 AM
T 105 F	1106907	Water	Plumbing		6/12/2018	7:15 AM
F 102 S	1106908	Water	Plumbing		6/12/2018	6:50 AM
F 102 F	1106909	Water	Plumbing		6/12/2018	7:25 AM
T 107 S	1106910	Water	Plumbing		6/12/2018	7:00 AM
T 107 F	1106911	Water	Plumbing		6/12/2018	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



RDSB - R.L. Beattie Public School

This report has been approved by:

Khaled Omari, Ph.D. Laboratory Director Work Order Number: 346514



RDSB - R.L. Beattie Public School Work Order Number: 346514

#### **WORK ORDER RESULTS**

Sample Description  Lab ID	`	Standing) 6904	,	Flushed) 6905		<b>05 S</b> 6906	<b>T 105 F</b> 1106907			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	<0.1	0.1	<0.1	0.1	1.72	0.1	1.14	0.1	ug/L	10
Sample Description  Lab ID		<b>02 S</b> 6908	<b>F 1</b> 0	<b>02 F</b> 6909	<b>T 107 S</b> 1106910		<b>T 107 F</b> 1106911			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	2.95	0.1	0.27	0.1	0.6	0.1	0.39	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.

RDSB - R.L. Beattie Public School Work Order Number: 346514

#### **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- μg/L) (6) Parameter MDL Units LCL Result UCL QAQCID 0 Lead ug/L <1 20180615.R13-5o2 20180615.R13-6o2 Lead ug/L <1 Positive Control: LFB-7 (N 100 µg/L) (7) Parameter MDL Units LCL Result UCL QAQCID N/A % 80 88.1 120 20180615.R13-6o2 Lead N/A 80 91.7 120 20180615.R13-5o2 Lead Reference Sample: CRM-12 (EP-L-3) (12) Parameter MDL Units LCL Result UCL QAQCID Lead N/A % Rec 80 100 120 20180615.R13-5o2 20180615.R13-6o2 Lead N/A % Rec 80 95 120 Sample Spike: LFMS-10 (N 100 µg/L) (10) LCL Parameter MDL Units Result UCL QAQCID N/A % Rec 70 82.7 130 20180615.R13-6o2 Lead 70 20180615.R13-5o2 Lead N/A % Rec 97.4 130

#### 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 102 F	1106909	ICPMS Reg. Water (R13.1)	20180615.R13-5o2	20180614.A52V
F 102 S	1106908	ICPMS Reg. Water (R13.1)	20180615.R13-5o2	20180614.A52V
F 106 (Flushed)	1106905	ICPMS Reg. Water (R13.1)	20180615.R13-5o2	20180614.A52V
F 106 (Standing)	1106904	ICPMS Reg. Water (R13.1)	20180615.R13-5o2	20180614.A52V
T 105 F	1106907	ICPMS Reg. Water (R13.1)	20180615.R13-5o2	20180614.A52V
T 105 S	1106906	ICPMS Reg. Water (R13.1)	20180615.R13-5o2	20180614.A52V
T 107 F	1106911	ICPMS Reg. Water (R13.1)	20180615.R13-6o2	20180614.A52X
T 107 S	1106910	ICPMS Reg. Water (R13.1)	20180615.R13-6o2	20180614.A52X

# DRINKING WATER CHAIN OF CUSTODY FORM

Page	1	of	1

V-TM-DW-2012-3.0

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

REPORT TO:								INVOICE TO: (if different from Report)														
Client:	nt: RDSB - R.L. Beattie P.S.								Client:										PROJECT INFORMATION: TM Quote #:			
Address:	102 Loach's Road							Address:											Client P.O. #:			
Sudbury, ON P3E 2P7																						
Contact:	ontact: Mark Bocy							Contact:										Client Project #:				
Email: bocym@rainbowschools.ca; lavallm@rainbowschools.ca							Ema	Email:														-
Phone:	e: 705-674-3171 Fax:							Phone: Fax;														-
REPORTING/INVOICING FORMAT TURN AROUND TIME (TAT)*						$\vdash$	ANALYSIS REQUESTED															
Fax	Fax  Email  Mail			1 Business Day 2 Business Days				$\vdash$	Т	TT	ANAL	1313 K	LEQUES	IED			(1)				JSE ONLY	
	QC DATA REPORTED			☐3 Business Days ✓ Standard			No?)										Chlorine	0	VVC	JRK URDE	R NUMBER:	
✓Yes			]No		1 - 1 -	d 20	or									-	on's	RECEIVED				
SAMPLE DISPOSAL SPECIFIC DATE:					(Yes	2				200						ECE						
Hold Dispose Return				angements must be made for /weekend/holiday work			(Pb)									Kesidual	S. R	2/1	1 6	211		
	SAMPLI						nple										Kes	INEF		0	114	
DATE	TIME	Ту	/pe**	SAMPLE DES	SCRIPTION	# (if appl)	Resample	ICPMS								ē.	le le	NTA				
(mm-dd-yy)		R T	D P			( app.)	Re	IC								Free	Total	CONT	Темр	Btl. Type	e Lab ID	1
6-18-18	6:30	-	X	1 - 0	(Standing)			х	$\perp$	$\bot \bot$									20	ILP	1106901	4
6-12-18	7.08	$\vdash$	X	F106	(Flushed)			Х	_	+	1								1	1	1106900	5
6-12-18	7:15		1	7 105	S		_	7	_	+	$\perp$			+							110690	6
6-12-18	6:50		1	F105	5		$\vdash$	X	+	+	-		-	+			71.0	1			110690	1
(-1)-A	7:15		1	F107	E		$\vdash$	K	+	+-	+		$\vdash$	++	$\dashv$			1			1106908	
6-18-18			1/2		5		$\vdash$	X	+	++	++	-	$\vdash$	++	+			4			1106900	4
6-12-18	7:35		7	-	F	0	$\vdash$	لم	+	++	++	-		++	+				1/	1	1100910	
									+	++	+	_		11					W	1	1100711	4
**Type:	R=Raw, T	=Entr	y/Trea	ted, D=Distribut	tion, P=Plumb	ing (O.REG. 17	70 /	O.REG	. 2	Waterwo	orks#	50004	40366		O. REG	. 170	По.	REG	318/319			1
318 / 319 / O.REG. 243)								NOIL						O. REG								
Adverse and Exceedance Notification Information:									EGULA-	LSN F		ubmitt					hammed.		olicable	Yes	No	
Name: Mark Bocy Cell: 705-690-0323 Phone: 705-671-3174 x 7231 Fax: 705-761-2442								Are these water samples for human consump Are the results reportable as per O. REG. 170										✓Yes	No			
	NTS/FIELI		THE RESERVE TO THE PERSON NAMED IN	rax:	705-761-2442				10						er O. R	EG. 1	-	-	-	Yes	✓No	
								O. REG. 170/318/319 Only: Public Health Unit: SDHU							Phone: 705-522-9200 Fax: 705-677-9607							
					A STATE OF	Ather			-					)(Sign	ature)		-	-	Date .	3-077-960	Time	1
ESTIMATED STANDING TIME:										Relinquished to Testmark By (Signature)									6-17	-(8	9:40	1
M								e 40 Shipped By Hand Shippi							4 4 4	Referen	ce					
Received By (Print and Sign)  Date								е	Received at Testmark By Andrea Date Tune 1211							-	Time	m				

7 Margaret Street, Garson, ON, P3L 1E1 • 705-693-1121 (P) • 705-693-1124 (F) • customer.service@testmark.ca 100 Wilson Ave., Suite 102, Timmins, ON, P4N 2S9 • 705-531-1121 (P) • 705-531-1125 (F) • timmins@testmark.ca

100 Wilson Ave., Suite 102, Timmins, ON, P4N 259 • 705-531-1121 (P) • 705-531-1123 (F) • 105-531-1123 (F) •

\*\*\* 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 solution and the same and the same adequate solution and the same adequate