

State of Michigan Laboratory ID: 8001

August 22, 2017

Mr. Stephen King  
 Birmingham Public Schools  
 2305 Cole Street  
 Birmingham, MI 48009

*✓ POTX*

**PROJECT: Derby**

TRACE ID: T17H239-01

Sample Point Description		Collected		Collected By		Received at Laboratory	
D-12-CF		8/10/17 11:12		twb		8/11/17 10:08	
Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD	
Copper	0.14 mg/L	1.3	8/10/17 11:12	8/21/17 20:41	dtm	EPA 200.8 Rev. 5.4	
Lead	0.0030 mg/L	0.015	8/10/17 11:12	8/21/17 20:41	dtm	EPA 200.8 Rev. 5.4	

TRACE ID: T17H239-02

Sample Point Description		Collected		Collected By		Received at Laboratory	
D-19-CF		8/10/17 11:10		twb		8/11/17 10:08	
Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD	
Copper	0.17 mg/L	1.3	8/10/17 11:10	8/21/17 20:46	dtm	EPA 200.8 Rev. 5.4	
Lead	<0.0010 mg/L	0.015	8/10/17 11:10	8/21/17 20:46	dtm	EPA 200.8 Rev. 5.4	

TRACE ID: T17H239-03

Sample Point Description		Collected		Collected By		Received at Laboratory	
D-28-CF		8/10/17 11:08		twb		8/11/17 10:08	
Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD	
Copper	0.21 mg/L	1.3	8/10/17 11:08	8/21/17 20:49	dtm	EPA 200.8 Rev. 5.4	
Lead	<0.0010 mg/L	0.015	8/10/17 11:08	8/21/17 20:49	dtm	EPA 200.8 Rev. 5.4	

\* The MCL (Maximum Contamination Limit) is the maximum concentration allowed under the Federal Safe Drinking Water Act. Results that are reported in bold or red have equaled or exceeded the MCL.

*Jon Mink*

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 Senior Project Manager

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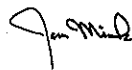
TRACE ID: T17H239-04

<i>Sample Point Description</i>	<i>Collected</i>		<i>Collected By</i>		<i>Received at Laboratory</i>	
D-38-CF	8/10/17	11:06	twb		8/11/17	10:08
Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD
Copper	0.20 mg/L	1.3	8/10/17 11:06	8/21/17 20:51	dtm	EPA 200.8 Rev. 5.4
Lead	<0.0010 mg/L	0.015	8/10/17 11:06	8/21/17 20:51	dtm	EPA 200.8 Rev. 5.4

TRACE ID: T17H239-05

<i>Sample Point Description</i>	<i>Collected</i>		<i>Collected By</i>		<i>Received at Laboratory</i>	
D-47-CF	8/10/17	11:04	twb		8/11/17	10:08
Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD
Copper	0.39 mg/L	1.3	8/10/17 11:04	8/21/17 20:54	dtm	EPA 200.8 Rev. 5.4
Lead	0.0019 mg/L	0.015	8/10/17 11:04	8/21/17 20:54	dtm	EPA 200.8 Rev. 5.4

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Jon Mink  
 Senior Project Manager

**Birmingham Schools Fixture Inventory**

Page 1 of 1

Building: Derby

Date Collected: 8-10-17  
 Sampler's Initials: TWB

Trace ID: TF7H239  
 Logged by: JS  
 Checked by: GA

Trace No.	Time Taken	Sample Point	Location	Photo(s)	Aerator?	Connecting Plumbing	Notes
1	11:12	D-12-CF	Rm 120 Teacher Sink	3552	Y	Unknown	
2	11:18	D-19-CF	Rm 121 Teacher's Sink	3555	N	Unknown	
3	11:08	D-28-CF	Rm 119 Teacher's Sink	3570	N	Unknown	
4	11:06	D-38-CF	Rm 117 Teacher's Sink	3487	N	Unknown	
5	11:04	D-47-CF	Rm 116 Teacher's Sink	3604	N	Unknown	

**Abbreviations:**

B= Classroom Bubbler  
 BF= Bathroom Faucet  
 Bottle= Bottle Filler  
 CF= Classroom Faucet  
 DF= Drinking Fountain  
 DS= Deep Sink  
 EW= Eye Wash  
 HS= Hand Sink  
 KF= Kitchen Faucet

**Connecting Plumbing:**

Br= Brass  
 Cu= Copper  
 G= Galvanized  
 P= Plastic  
 SS= Stainless Steel

Released by: TWB

Received by: GA

Date: 8/11/17 Time: 10:08

**SAMPLE LOG IN CHECKLIST**

Trace ID #: TH-239 Date: 8/11/17 Package Description: Cooler Temperature: 22.3  
 Client Name: Birmingham - Derby Time: 10:08 Logged in by: JS

**Cooler Receipt**

Cooler/samples delivered by: Trace courier  Hand delivered  Commercial courier  Name of delivery person: Tim Brewer  
 UPS  FED EX  US Mail   
 Tracking Number:  Not Applicable Tracking #: \_\_\_\_\_  
 COC Seals present and intact on cooler?  Not Applicable  No  Yes  
 Custody seals signed by Client?  No  Yes Client custody seal # (if applicable): \_\_\_\_\_

**Coolant and Temperature**

Type of Coolant Used  
 Slurry w/ crushed, cubed, or chip ice?   
 Multiple bags of ice around samples?   
 Ice Packs/ Blue Ice:   
 No Coolant Present:   
 Ice still present upon receipt (circle one): Yes No N/A

Cooler Temperature  
 Correction Factors: •Digital Stick Thermometer CF = -0.6°C  
 •IR Thermometer CF = -0.4°C  
 Representative Sample Temperature: 22.3 °C (check one below)  
 Temp Blank (Stick Thermometer)  
 Client Sample (IR Thermometer)  
 Melt Water: None °C (Use Digital Stick Thermometer)

**General**

	Yes	No	NA	Comments
All bottles arrived unbroken with labels in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Each sample point is in a sealed plastic bag?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Labels filled out completely?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
All bottle labels agree with Chain of Custody (COC)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Sufficient sample to run tests requested?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
pH checked and samples at correct pH?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	See Below*
Correct preservative added to samples?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Air bubbles absent from VOAs?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
COC filled out properly and signed by client?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
COC signed in by TRACE sample custodian?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was project manager called and samples discussed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Notes: \_\_\_\_\_

\*EMD pH Test Strips Used:  
 pH 0-2.5 Lot: HC563733  pH 11.0-13.0 Lot: HC547328  
 Other: \_\_\_\_\_  
 Lot: HC563733 verified 02/11/16 AY  
 Lot: HC574781 verified 04/03/17 JS