

State of Michigan Laboratory ID: 8001

June 08, 2018

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

PROJECT: Greenfield- resampling

TRACE ID: T18E295-01

<i>Sample Point Description</i>	<i>Collected</i>	<i>Collected By</i>	<i>Received at Laboratory</i>
G-10-CF	5/10/18 8:05	twb	5/15/18 8:49

Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD
Copper	0.46 mg/L	1.3	5/15/18 19:47	5/19/18 15:23	nws	EPA 200.8 Rev. 5.4
Lead	0.0017 mg/L	0.015	5/15/18 19:47	5/19/18 15:23	nws	EPA 200.8 Rev. 5.4

TRACE ID: T18E295-02

<i>Sample Point Description</i>	<i>Collected</i>	<i>Collected By</i>	<i>Received at Laboratory</i>
G-39-CF	5/10/18 8:02	twb	5/15/18 8:49

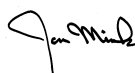
Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD
Copper	1.2 mg/L	1.3	5/15/18 19:47	5/19/18 15:26	nws	EPA 200.8 Rev. 5.4
Lead	0.0059 mg/L	0.015	5/15/18 19:47	5/19/18 15:26	nws	EPA 200.8 Rev. 5.4

TRACE ID: T18E295-03

<i>Sample Point Description</i>	<i>Collected</i>	<i>Collected By</i>	<i>Received at Laboratory</i>
G-45-CF	5/10/18 8:00	twb	5/15/18 8:49

Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD
Copper	0.38 mg/L	1.3	5/15/18 19:47	5/19/18 15:28	nws	EPA 200.8 Rev. 5.4
Lead	0.0014 mg/L	0.015	5/15/18 19:47	5/19/18 15:28	nws	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
 Senior Project Manager

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TRACE ID: T18E295-04

<i>Sample Point Description</i>	<i>Collected</i>	<i>Collected By</i>	<i>Received at Laboratory</i>
G-75-CF	5/10/18 8:10	twb	5/15/18 8:49

Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD
Copper	0.44 mg/L	1.3	5/15/18 19:47	5/19/18 15:29	nws	EPA 200.8 Rev. 5.4
Lead	<0.0010 mg/L	0.015	5/15/18 19:47	5/19/18 15:29	nws	EPA 200.8 Rev. 5.4

TRACE ID: T18E295-05

<i>Sample Point Description</i>	<i>Collected</i>	<i>Collected By</i>	<i>Received at Laboratory</i>
G-81-CF	5/10/18 8:11	twb	5/15/18 8:49

Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD
Copper	0.42 mg/L	1.3	5/15/18 19:47	5/19/18 15:31	nws	EPA 200.8 Rev. 5.4
Lead	0.12 mg/L	0.015	5/15/18 19:47	5/21/18 16:25	nws	EPA 200.8 Rev. 5.4

TRACE ID: T18E295-06

<i>Sample Point Description</i>	<i>Collected</i>	<i>Collected By</i>	<i>Received at Laboratory</i>
G-85-CF	5/10/18 8:12	twb	5/15/18 8:49

Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD
Copper	0.47 mg/L	1.3	5/15/18 19:47	5/19/18 15:32	nws	EPA 200.8 Rev. 5.4
Lead	0.0041 mg/L	0.015	5/15/18 19:47	5/19/18 15:32	nws	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
 Senior Project Manager

Birmingham Schools Fixture Inventory

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Building: **Greenfield**

Date Collected: 5-10-18
 Sampler's Initials: TWS

Trace ID: TBE295
 Logged by: JS
 Checked by: MD

Trace No.	Time Taken	Sample Point	Location	Photo(s)	Aerator?	Connecting Plumbing	Notes
1	8:05	G-10-CF	Rm 104	3830/31	Y	Br, Cu	
2	8:07	G-39-CF	Rm 103	3853/54	Y	Br, Cu	
3	8:00	G-45-CF	Rm 101	3859/60	Y	Br, Cu	
4	8:10	G-75-CF	Rm 207	3886/87	Y	Br, Cu	
5	8:11	G-81-CF	Rm 210	3892/93	Y	Br, Cu	
6	8:17	G-85-CF	Rm 200		Y	Br, Cu	

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: [Signature]

Received by: [Signature]

Date: 5/15/18 Time: 8:49

SAMPLE LOG IN CHECKLIST

Trace ID #: TBE295 Date: 5/13/18 Package Description: Cooler Temperature: 20.0
 Client Name: Greenfield Time: 8:49 Logged in by: JS

Cooler Receipt

Cooler/samples delivered by: Trace courier Hand delivered Commercial courier Name of delivery person: Tim Brown
 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 = -1.0°C
 •IR Thermometer CF = -0.3°C
 Representative Sample Temperature: 18.8 °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: HC606169 pH 11.0-13.0 Lot: HC600691
 Other: _____