

State of Michigan Laboratory ID: 8001

August 29, 2018

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

PROJECT: West Maple - Resample 082118

TRACE ID: T18H549-01

<i>Sample Point Description</i>	<i>Collected</i>	<i>Collected By</i>	<i>Received at Laboratory</i>
WM-36-CF	8/21/18 6:55	twb	8/21/18 19:32

Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD
Copper	0.59 mg/L	1.3	8/27/18 12:39	8/28/18 13:57	jbb	EPA 200.8 Rev. 5.4
Lead	0.87 mg/L	0.015	8/27/18 12:39	8/28/18 13:57	jm	EPA 200.8 Rev. 5.4

TRACE ID: T18H549-02

<i>Sample Point Description</i>	<i>Collected</i>	<i>Collected By</i>	<i>Received at Laboratory</i>
WM-37-CF	8/21/18 6:56	twb	8/21/18 19:32

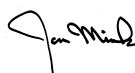
Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD
Copper	0.42 mg/L	1.3	8/27/18 12:39	8/28/18 11:59	jbb	EPA 200.8 Rev. 5.4
Lead	0.0023 mg/L	0.015	8/27/18 12:39	8/28/18 11:59	jbb	EPA 200.8 Rev. 5.4

TRACE ID: T18H549-03

<i>Sample Point Description</i>	<i>Collected</i>	<i>Collected By</i>	<i>Received at Laboratory</i>
WM-42-CF	8/21/18 6:57	twb	8/21/18 19:32

Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD
Copper	0.20 mg/L	1.3	8/27/18 12:39	8/28/18 12:00	jbb	EPA 200.8 Rev. 5.4
Lead	0.0058 mg/L	0.015	8/27/18 12:39	8/28/18 12:00	jbb	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: T18H549-04

<i>Sample Point Description</i>	<i>Collected</i>	<i>Collected By</i>	<i>Received at Laboratory</i>
WM-91-CF	8/21/18 6:58	twb	8/21/18 19:32

Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD
Copper	0.19 mg/L	1.3	8/27/18 12:39	8/28/18 12:02	jbb	EPA 200.8 Rev. 5.4
Lead	<0.0010 mg/L	0.015	8/27/18 12:39	8/28/18 12:02	jbb	EPA 200.8 Rev. 5.4

TRACE ID: T18H549-05

<i>Sample Point Description</i>	<i>Collected</i>	<i>Collected By</i>	<i>Received at Laboratory</i>
WM-104-KF	8/21/18 6:59	twb	8/21/18 19:32

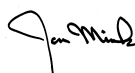
Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD
Copper	0.16 mg/L	1.3	8/27/18 12:39	8/28/18 12:03	jbb	EPA 200.8 Rev. 5.4
Lead	0.0074 mg/L	0.015	8/27/18 12:39	8/28/18 12:03	jbb	EPA 200.8 Rev. 5.4

TRACE ID: T18H549-06

<i>Sample Point Description</i>	<i>Collected</i>	<i>Collected By</i>	<i>Received at Laboratory</i>
WM-105-KF	8/21/18 7:00	twb	8/21/18 19:32

Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD
Copper	0.11 mg/L	1.3	8/27/18 12:39	8/28/18 12:05	jbb	EPA 200.8 Rev. 5.4
Lead	0.0024 mg/L	0.015	8/27/18 12:39	8/28/18 12:05	jbb	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

Page 1 of 2

Building: West Maple

Date Collected: 8-21-18
 Sampler's Initials: TWB

Trace ID: T18H549
 Logged by: ML
 Checked by: JS

Trace No.	Time Taken	Sample Point	Location	Photo(s)	Aerator?	Connecting Plumbing	Notes
1	<u>6:55</u>	WM-36-CF	Rm 7	3724/25	Y	Br, Cu	
2	<u>6:56</u>	WM-37-CF	Rm 14	3726/27	Y	Br, Cu	
3	<u>6:57</u>	WM-42-CF	Rm 16 RT Wall- Right Sink- Right	3730/31	N	Br, Cu	
4	<u>6:58</u>	WM-91-CF	Rm 36	3771/72	Y	Br, Cu	
5	<u>6:59</u>	WM-104-KF	Staff Work Rm	3782/83	Y	Br, Cu	
6	<u>7:00</u>	WM-105-KF	Library Storage Rm	3784/85	Y	Br, Cu	

Released by: TWB

Received by: [Signature]

Date: 8/21/18 Time: 19:32

SAMPLE LOG IN CHECKLIST

Trace ID #: T18 H549 Date: 8/21/18 Package Description: Cooler Temperature: 21.6
 Client Name: Birmingham Schools Time: 19:32 Logged in by: dl

Cooler Receipt

Cooler/samples delivered by: Trace courier
 Hand delivered Name of delivery person: _____
 Commercial courier 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

<p>Type of Coolant Used</p> <p>Slurry w/ crushed, cubed, or chip ice? <input type="checkbox"/></p> <p>Multiple bags of ice around samples? <input type="checkbox"/></p> <p>Ice Packs/ Blue Ice : <input type="checkbox"/></p> <p>No Coolant Present: <input checked="" type="checkbox"/></p> <p>Ice still present upon receipt (circle one): Yes No <u>(N/A)</u></p>	<p>Cooler Temperature</p> <p>Correction Factors: •Digital Stick Thermometer CF = -0.6°C •IR Thermometer CF = -0.8°C</p> <p>Representative Sample Temperature: <u>21.2</u> °C (check one below) <input type="checkbox"/> Temp Blank (Stick Thermometer) <input checked="" type="checkbox"/> Client Sample (IR Thermometer)</p> <p>Melt Water: <u>N/A</u> °C (Use Digital Stick Thermometer)</p>
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General

	Yes	No	NA	
All bottles arrived unbroken with labels in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Comments _____ _____ _____ _____ _____ _____ _____ _____ _____ _____
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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
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 type="checkbox"/>	<input type="checkbox"/>	

Notes:

***EMD pH Test Strips Used:**
 pH 0-2.5 Lot: HC731452 pH 11.0-13.0 Lot: HC600691
 Other: _____