



Trace Analytical Laboratories, Inc.  
 2241 Black Creek Road  
 Muskegon, MI 49444-2673  
 Phone: 231.773.5998 Fax: 888.979.4467  
 www.trace-labs.com

State of Michigan Laboratory ID: 8001

March 15, 2017

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

PROJECT: Bingham

TRACE ID: T17B405-01

Sample Point Description	Collected	Collected By	Received at Laboratory			
B-44-CF	2/25/17 9:39	twb	2/27/17 8:48			
Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD
Copper	0.21 mg/L	1.3	3/13/17 7:27	3/14/17 17:03	dtm	EPA 200.8 Rev. 5.4
Lead	0.0058 mg/L	0.015	3/13/17 7:27	3/14/17 17:03	dtm	EPA 200.8 Rev. 5.4

TRACE ID: T17B405-02

Sample Point Description	Collected	Collected By	Received at Laboratory			
B-63-B	2/25/17 9:37	twb	2/27/17 8:48			
Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD
Copper	0.12 mg/L	1.3	3/13/17 7:27	3/14/17 17:06	dtm	EPA 200.8 Rev. 5.4
Lead	<0.0010 mg/L	0.015	3/13/17 7:27	3/14/17 17:06	dtm	EPA 200.8 Rev. 5.4

TRACE ID: T17B405-03

Sample Point Description	Collected	Collected By	Received at Laboratory			
B-66-CF	2/25/17 9:35	twb	2/27/17 8:48			
Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD
Copper	0.19 mg/L	1.3	3/13/17 7:27	3/14/17 17:09	dtm	EPA 200.8 Rev. 5.4
Lead	0.026 mg/L	0.015	3/13/17 7:27	3/14/17 17:09	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  
 Senior Project Manager





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March 15, 2017

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

PROJECT: Bingham

TRACE ID: T17B405-04

<i>Sample Point Description</i>		<i>Collected</i>		<i>Collected By</i>		<i>Received at Laboratory</i>	
B-93-KF		2/25/17 9:32		twb		2/27/17 8:48	
Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD	
Copper	0.28 mg/L	1.3	3/13/17 7:27	3/14/17 17:20	dtm	EPA 200.8 Rev. 5.4	
Lead	0.0075 mg/L	0.015	3/13/17 7:27	3/14/17 17:20	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  
Senior Project Manager





phone 231.773.5998  
 toll-free 800.733.5998  
 fax 231.773.6537

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 info@trace-labs.com  
 www.trace-labs.com

**Birmingham Schools Fixture Inventory**

Page 1 of 1

Building: Bingham Farms

Date Collected: 2/25/17  
 Sampler's Initials: TWB

Trace ID: TFB405  
 Logged by: JS  
 Checked by: OK

Trace No.	Time Taken	Sample Point	Location	Photo(s)	Aerator?	Connecting Plumbing	Notes
1	9:39	B-44-CF	Rm 5	3343/44	Y	Br, Cu	
2	9:37	B-63-B	Rm 12	3359/60	N	Br, Cu	
3	9:35	B-66-CF	Rm 14	3363/64	Y	Br, Cu	
4	9:32	B-93-KF	Custodial Office	3386/87			

Released by: TWB

Received by: OK

Date: 2/27/17 Time: 8:48



### SAMPLE LOG IN CHECKLIST

Trace ID #: TTB405 Date: 2/27/17 Package Description: Coaka Temperature: 16.7  
 Client Name: Birmingham Schools Time: 8:48 Logged in by: JS

#### Cooler Receipt

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

UPS  FED EX  US Mail

Tracking Number:  Not Applicable  
 Tracking #: \_\_\_\_\_

COC Seals present and intact on cooler? No  Yes   Not Applicable

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  
 •Thermocouple CF = -1.0°C

Temperature Blank: None °C (Digital Stick Thermometer)  
 Range of 3 samples: 12.6-12.7 °C (Thermocouple)  
 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 checked="" type="checkbox"/>	<input 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 6/21/16 AY  
 Lot: HC547328 verified 6/30/16 AY

