



Trace Analytical Laboratories, Inc.
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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

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: T17B405-04

<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



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Birmingham Schools Fixture Inventory

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Building: Bingham Farms

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

Trace ID: TF7B405
 Logged by: JS
 Checked by: GH

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: GH

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



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SAMPLE LOG IN CHECKLIST

Trace ID #: TTMB405 Date: 7/27/17 Package Description: Cooler Temperature: 16.7
 Client Name: Birmingham Schools Time: 8:48 Logged in by: JS

Cooler Receipt

Cooler/samples delivered by: Trace courier
 Hand delivered Name of delivery person: Tom Brewer
 Commercial courier UPS FED EX US Mail

Tracking Number: Not Applicable
 Tracking #: _____

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

Custody seals signed by Client? No Client custody seal # (if applicable): _____
 Yes

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:

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)

Ice still present upon receipt (circle one):
 Yes No N/A

	General			Comments
	Yes	No	NA	
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