

State of Michigan Laboratory ID: 8001

August 23, 2017

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

*✓ PPTX*

**PROJECT: Berkshire**

TRACE ID: T17H237-01

Sample Point Description		Collected		Collected By		Received at Laboratory	
BK-22-CF		8/10/17 10:30		twb		8/11/17 9:57	
Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD	
Copper	0.47 mg/L	1.3	8/14/17 17:14	8/22/17 13:26	dtm	EPA 200.8 Rev. 5.4	
Lead	0.0022 mg/L	0.015	8/14/17 17:14	8/21/17 20:10	dtm	EPA 200.8 Rev. 5.4	

TRACE ID: T17H237-02

Sample Point Description		Collected		Collected By		Received at Laboratory	
BK-25A-CF		8/10/17 10:28		twb		8/11/17 9:57	
Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD	
Copper	0.51 mg/L	1.3	8/14/17 17:14	8/22/17 13:29	dtm	EPA 200.8 Rev. 5.4	
Lead	0.0024 mg/L	0.015	8/14/17 17:14	8/21/17 20:12	dtm	EPA 200.8 Rev. 5.4	

TRACE ID: T17H237-03

Sample Point Description		Collected		Collected By		Received at Laboratory	
BK-52-CF		8/10/17 10:26		twb		8/11/17 9:57	
Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD	
Copper	0.83 mg/L	1.3	8/14/17 17:14	8/22/17 13:31	dtm	EPA 200.8 Rev. 5.4	
Lead	0.0071 mg/L	0.015	8/14/17 17:14	8/21/17 20:15	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*

Jon Mink  
 Senior Project Manager

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PROJECT: Berkshire

TRACE ID: T17H237-04

<i>Sample Point Description</i>		<i>Collected</i>		<i>Collected By</i>		<i>Received at Laboratory</i>	
BK-62-CF		8/10/17	10:24	twb		8/11/17 9:57	
Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD	
Copper	0.65 mg/L	1.3	8/14/17 17:14	8/22/17 13:34	dtm	EPA 200.8 Rev. 5.4	
Lead	0.0050 mg/L	0.015	8/14/17 17:14	8/21/17 20:17	dtm	EPA 200.8 Rev. 5.4	

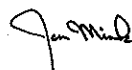
TRACE ID: T17H237-05

<i>Sample Point Description</i>		<i>Collected</i>		<i>Collected By</i>		<i>Received at Laboratory</i>	
BK-72-CF		8/10/17	10:22	twb		8/11/17 9:57	
Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD	
Copper	0.53 mg/L	1.3	8/14/17 17:14	8/22/17 13:37	dtm	EPA 200.8 Rev. 5.4	
Lead	0.0056 mg/L	0.015	8/14/17 17:14	8/21/17 20:19	dtm	EPA 200.8 Rev. 5.4	

TRACE ID: T17H237-06

<i>Sample Point Description</i>		<i>Collected</i>		<i>Collected By</i>		<i>Received at Laboratory</i>	
BK-79-CF		8/10/17	10:20	twb		8/11/17 9:57	
Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD	
Copper	0.069 mg/L	1.3	8/14/17 17:14	8/21/17 20:22	dtm	EPA 200.8 Rev. 5.4	
Lead	0.0012 mg/L	0.015	8/14/17 17:14	8/21/17 20:22	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

**Birmingham Schools Fixture Inventory**

Page 1 of 1

Building: Berkshire

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

Trace ID: TF14237  
 Logged by: JS  
 Checked by: GJ

Trace No.	Time Taken	Sample Point	Location	Photo(s)	Aerator?	Connecting Plumbing	Notes
1	10:20	BK-22-CF	Rm 120- Island	2752	N	Br, Cu	
2	10:20	BK-25a-CF	Rm 119 Teacher's Island				
3	10:26	BK-52-CF	Rm 118- Teacher's Sink	2780	N	Br, Cu	
4	10:24	BK-62-CF	Rm 116- Teacher's Sink	2798/99	N	Br, Cu	
5	10:22	BK-72-CF	Rm 114-Teacher's Sink	2818	N	Br, Cu	
6	10:20	BK-79-CF	Rm 113	2822/23	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: 8/10/17 Time: 9:57

**SAMPLE LOG IN CHECKLIST**

Trace ID #: T17H-237 Date: 8/11/17 Package Description: Codes Temperature: 22.3  
 Client Name: Birmingham - Berkshire Time: 9:57 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): N/A  
 Yes No

**Cooler Temperature**  
 Correction Factors: •Digital Stick Thermometer CF = -0.8°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 HC603733 verified 8/21/16 AY  
 Lot HC674761 verified 04/03/17 JS