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Trace Analytical Laboratories, Inc.  
 2241 Black Creek Road  
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**State of Michigan Laboratory ID: 8001**

February 06, 2017

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

**PROJECT: Harlan Resampling**

**TRACE ID: T17A431-01**

<b>Sample Point Description</b>	<b>Collected</b>	<b>Collected By</b>	<b>Received at Laboratory</b>
H-104-BF	1/28/17 6:47	twb/eb	1/30/17 8:47

Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD
Copper	0.32 mg/L	1.3	1/31/17 11:51	2/3/17 17:00	dtm	EPA 200.8 Rev. 5.4
Lead	0.0019 mg/L	0.015	1/31/17 11:51	2/3/17 17:00	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 Chain-of-Custody Record**

Page 1 of 1  
5/31/17

Building: **Harlan Elementary** Date Collected: 1/28/17  
Sampler's Initials: TEB/EB

Trace ID: T17A403 431  
Logged by: JS  
Checked by: GH

*\* Resampling \**

Trace No.	Time Taken	Sample Point	Location	Photo(s)	Aerator?	Connecting Plumbing	Notes
73		H-73-BF	Rm 116	1997	Y	Br, Cu	
74		H-74-BF	Office Restroom	1998	Y	Br, Cu	
75		H-75-BF	Office Clinic Restroom	1999	Y	Br, Cu	
76		H-76-KF	Staff Lounge	2000	Y	Br, Cu	
77		H-77-KF	Staff Lounge Restroom	2001	Y	Br, Cu	
78		H-78-CF	Rm 200	2002/03	Y	Br, Cu	
79		H-79-B	Rm 200	2002/03	N	Br, Cu	
80		H-80-CF	Rm 201	2004/05	Y	Br, Cu	
81		H-81-B	Rm 201	2004/05	N	Br, Cu	
82		H-82-CF	Rm 202	2006/07	Y	Br, Cu	
83		H-83-B	Rm 202	2006/07	N	Br, Cu	
84		H-84-CF	Rm 203	2008/09	Y	Br, Cu	
85		H-85-B	Rm 203	2008/09	N	Br, Cu	
86		H-86-BF	Rm 203	2010	Y	Br, Cu	
87		H-87-CF	Rm 206	2011/12	Y	Br, Cu	
88		H-88-B	Rm 206	2011/12	N	Br, Cu	
89		H-89-CF	Rm 207	2013/14	Y	Br, Cu	
90		H-90-B	Rm 207	2013/14	N	Br, Cu	
91		H-91-CF	Rm 208	2015/16	Y	Br,Cu	
92		H-92-B	Rm 208	2015/16	N	Br,Cu	
93		H-93-DS	2nd Fl. Custodial Deep Sink	2017	N	Br,Cu	
94		H-94-EW	2nd Fl. Custodial Eye Wash	2017	N	Br,Cu	
95		H-95-BF	2nd Staff Restroom*	2018	Y	Br,Cu	
96		H-96-BF	2nd Fl Boys Restroom-Left	2019	Y	Br, Cu	
97		H-97-BF	2nd Fl Boys Restroom-Middle	2019	Y	Br,Cu	
98		H-98-BF	2nd Fl Boys Restroom- Right	2019	Y	Br, Cu	
99		H-99-DF	2nd Fl Drinking Fountain-Left	2020	N	Unknown	
100		H-100-DF	2nd Fl Drinking Fountain-Right	2020	N	Unknown	
101		H-101-BF	2nd Fl Girls Restroom- Left	2021	Y	Br, Cu	
102		H-102-BF	2nd Fl Girls Restroom- Middle	2021	Y	Br,Cu	
103		H-103-BF	2nd Fl Girls Restroom- Right	2021	Y	Br, Cu	
104	<u>6:47</u>	H-104-BF	Rm 109	2022	Y	Br, Cu	
105		H-105-CF	Rm 109	2023	Y	Br, Cu	
106		H-106-B	Rm 109	2023	N	Br, Cu	
107		H-107-KF	Media Center	2024/25	Y	Br,Cu	
108		H-108-BF	1st Fl Boys Restroom- Left	2026	Y	Br,Cu	

*1 set  
5/31/17*

Released by: *Tom Ben* Received by: *[Signature]* Date: 1/30/17 Time: 8:47



the science of compliance

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**SAMPLE LOG IN CHECKLIST**

Trace ID #: 17A431 Date: 1/30/17 Package Description: Cooler Temperature: 14.0  
 Client Name: Birmingham: Harlan Time: 8:47 Logged in by: JS

**Cooler Receipt**

Cooler/samples delivered by: Trace courier   
 Hand delivered  Name of delivery person: Tim 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:   
 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: 13.2-13.4 °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 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: HC563733 verified 6/21/16 AY  
 Lot: HC547328 verified 6/30/16 AY