



Trace Analytical Laboratories, Inc.  
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State of Michigan Laboratory ID: 8001

May 22, 2017

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

PROJECT: Greenfield

TRACE ID: T17E277-01

Sample Point Description		Collected		Collected By		Received at Laboratory	
G-56-CF		5/13/17 10:48		twb		5/15/17 8:25	
Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD	
Copper	1.0 mg/L	1.3	5/17/17 13:16	5/19/17 12:15	dtm	EPA 200.8 Rev. 5.4	
Lead	0.010 mg/L	0.015	5/17/17 13:16	5/19/17 12:13	dtm	EPA 200.8 Rev. 5.4	

TRACE ID: T17E277-02

Sample Point Description		Collected		Collected By		Received at Laboratory	
G-77-CF		5/13/17 10:51		twb		5/15/17 8:25	
Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD	
Copper	0.54 mg/L	1.3	5/17/17 13:16	5/19/17 12:18	dtm	EPA 200.8 Rev. 5.4	
Lead	0.028 mg/L	0.015	5/17/17 13:16	5/19/17 12:18	dtm	EPA 200.8 Rev. 5.4	

TRACE ID: T17E277-03

Sample Point Description		Collected		Collected By		Received at Laboratory	
G-79-CF		5/13/17 10:52		twb		5/15/17 8:25	
Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD	
Copper	0.68 mg/L	1.3	5/17/17 13:16	5/19/17 12:20	dtm	EPA 200.8 Rev. 5.4	
Lead	0.0048 mg/L	0.015	5/17/17 13:16	5/19/17 12:20	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: Greenfield

Date Collected: 5/13/17  
 Sampler's Initials: THB

Trace ID: T17E277  
 Logged by: AL  
 Checked by: GH

Trace No.	Time Taken	Sample Point	Location	Photo(s)	Aerator?	Connecting Plumbing	Notes
40		G-40-B	Rm 103	3853/54	N	Br, Cu	
41		G-41-BF	Rm 102	3855	Y	Br, Cu	
42		G-42-CF	Rm 102	3856/57	Y	Br, Cu	
43		G-43-B	Rm 102	3856/57	N	Br, Cu	
44		G-44-BF	Rm 101	3858	Y	Br, Cu	
45		G-45-CF	Rm 101	3859/60	Y	Br, Cu	
46		G-46-B	Rm 101	3859/60	N	Br, Cu	
47		G-47-CF	Rm 100-Frontside	3861/62	Y	Br, Cu	
48		G-48-CF	Rm 100-Backside	3861/62	Y	Br, Cu	
49		G-49-CF	Rm 100 Back Sink	3863/64	Y	Br, Cu	
50		G-50-CF	Staff Lounge	3865/66	Y	Br, Cu	
51		G-51-Fridge	Staff Lounge	3867	N	Unknown	
52		G-52-BF	Staff Restroom	3868	Y	Br, Cu	
53		G-53-BF	Clinic	3869	Y	Br, Cu	
54		G-54-CF	Media Office	3869	Y	Br, Cu	
55		G-55-BF	Preschool	3872	Y	Br, Cu	
① 56	10:48	G-56-CF	Preschool	3873/74	Y	Br, Cu	
57		<del>G-57-B</del>	<del>Preschool</del>	3873/74	N	Br, Cu	
58		G-58-DF	2nd Fl North- Left	3875	N	Unknown	
59		G-59-DF	2nd Fl North- Right	3875	N	Unknown	
60		G-60-BF	2nd Fl Staff North	3876	Y	Br, Cu	
61		G-61-BF	Girl's 2nd Fl- South- Left	3877	Y	Br, Cu	
62		G-62-BF	Girl's 2nd Fl- South- Middle	3877	Y	Br, Cu	
63		G-63-BF	Girl's 2nd Fl- South-Right	3877	Y	Br, Cu	
64		G-64-BF	Boy's 2nd Fl- South-Left	3878	Y	Br, Cu	
65		G-65-BF	Boy's 2nd Fl- South- Middle	3878	Y	Br, Cu	
66		G-66-BF	Boy's 2nd Fl- South- Right	3878	Y	Br, Cu	
67		G-67-BF	2nd Fl Staff South	3879	Y	Br, Cu	
68		G-68-DS	Custodial Rm 2nd Fl South	3880	N	Unknown	
69		G-69-EW	Custodial Rm 2nd Fl South	3881	N	Unknown	
70		G-70-DF	2nd Fl South-Left	3882	N	Unknown	
71		G-71-DF	2nd Fl South- Right	3882	N	Unknown	
72		G-72-BF	Rm 206	3883	Y	Br, Cu	
73		G-73-CF	Rm 206	3884/85	Y	Br, Cu	
74		G-74-B	Rm 206	3884/85	N	Br, Cu	
75		G-75-CF	Rm 207	3886/87	Y	Br, Cu	
76		G-76-B	Rm 207	3886/87	N	Br, Cu	
② 77	10:57	G-77-CF	Rm 208	3888/89	Y	Br, Cu	
78		G-78-B	Rm 208	3888/89	N	Br, Cu	

Released by: [Signature] Received by: [Signature] Date: 5/15/17 Time: 8:25

**Birmingham Schools Fixture Inventory**

Building: **Greenfield**

Date Collected: 5/13/17  
Sampler's Initials: TAB

Trace ID: T17E277  
Logged by: dy  
Checked by: dy

Trace No.	Time Taken	Sample Point	Location	Photo(s)	Aerator?	Connecting Plumbing	Notes
(3) 79	10:54	G-79-CF	Rm 209	3890/91	Y	Br, Cu	
80		G-80-B	Rm 209	3890/91	N	Br, Cu	
81		G-81-CF	Rm 210	3892/93	Y	Br, Cu	
82		G-82-B	Rm 210	3892/93	N	Br, Cu	
83		G-83-CF	Rm 211	3894/95	Y	Br, Cu	
84		G-84-B	Rm 211	3894/95	N	Br, Cu	
85		G-85-DS	Boiler Rm	3896	N	Unknown	

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: 5/15/17 Time: 8:25

Greenfield

### SAMPLE LOG IN CHECKLIST

Trace ID #: T17E277 Date: 5-15-17 Package Description: Cooler Temperature: 19.3  
 Client Name: Birmingham Time: 8:25 Logged in by: du

#### Cooler Receipt

Cooler/samples delivered by: Trace courier  Hand delivered  Commercial courier  Name of delivery person: \_\_\_\_\_  
 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 = -0.6°C  
 •IR Thermometer CF = -0.4°C  
 Temperature Blank: N/A °C (Digital Stick Thermometer)  
 Range of 3 samples: 19.2-19.3 °C (IR Thermometer)  
 Melt Water: N/A °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 type="checkbox"/>	<input type="checkbox"/>	

Notes: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\*EMD pH Test Strips Used:  
 pH 0-2.6 Lot: HC683733  
 pH 11.0-13.0 Lot: HC647328  
 Other: \_\_\_\_\_  
 Lot: HC683733 verified 6/21/16 AY  
 Lot: HC674781 verified 04/03/17 JS