



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: Bingham Farms

TRACE ID: T17E283-01

<i>Sample Point Description</i>	<i>Collected</i>	<i>Collected By</i>	<i>Received at Laboratory</i>
B-54-DF	5/13/17 10:00	twb	5/15/17 8:53

Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD
Copper	0.18 mg/L	1.3	5/17/17 13:18	5/19/17 13:46	dtm	EPA 200.8 Rev. 5.4
Lead	0.0012 mg/L	0.015	5/17/17 13:18	5/19/17 13:46	dtm	EPA 200.8 Rev. 5.4

TRACE ID: T17E283-02

<i>Sample Point Description</i>	<i>Collected</i>	<i>Collected By</i>	<i>Received at Laboratory</i>
B-66-CF	5/13/17 10:11	twb	5/15/17 8:53

Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD
Copper	0.20 mg/L	1.3	5/17/17 13:18	5/19/17 13:49	dtm	EPA 200.8 Rev. 5.4
Lead	0.019 mg/L	0.015	5/17/17 13:18	5/19/17 13:49	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: 5/13/17
 Sampler's Initials: TWB

Trace ID: 117E283
 Logged by: CH
 Checked by: AM

Trace No.	Time Taken	Sample Point	Location	Photo(s)	Aerator?	Connecting Plumbing	Notes
42		B-42-DF	By Rm 5- Left	3342	N	Unknown	
43		B-43-DF	By Rm 5- Right	3342	N	Unknown	
44		B-44-CF	Rm 5	3343/44	Y	Br, Cu	
45		B-45-B	Rm 5	3343/44	N	Br, Cu	
46		B-46-cF	Rm 6	3345/46	Y	Br, Cu	
47		B-47-B	Rm 6	3345/46	N	Br, Cu	
48		B-48-CF	Rm 7	3347/48	Y	Br, Cu	
49		B-49-B	Rm 7	3347/48	N	Br, Cu	
50		B-50-CF	Rm 8	3349/50	Y	Br, Cu	
51		B-51-B	Rm 8	3349/50	N	Br, Cu	
52		B-52-CF	Rm 9	3351/52	Y	Br, Cu	
53		B-53-B	Rm 9	3351/52	N	Unknown	
54	<u>10:10</u>	B-54-DF	By Rm 10-Left	3353	N	Unknown	
55		B-55-DF	By Rm 10-Right	3353	N	Br, Cu	
56		B-56-BF	Men's by Rm 10- Left	3354	Y	Br, Cu	
57		B-57-BF	Men's by Rm 10- Right	3354	Y	Br, Cu	
58		B-58-CF	Rm 10	3355/56	Y	Br, Cu	
59		B-59-B	Rm 10	3355/56	N	Br, Cu	
60		B-60-CF	Rm 11	3357/58	Y	Br, Cu	
61		B-61-B	Rm 11	3357/58	N	Br, Cu	
62		B-62-CF	Rm 12	3359/60	Y	Br, Cu	
63		B-63-B	Rm 12	3359/60	N	Br, Cu	
64		B-64-CF	Rm 13	3361/62	Y	Br, Cu	
65		B-65-B	Rm 13	3361/62	N	Br, Cu	
66	<u>10:11</u>	B-66-CF	Rm 14	3363/64	Y	Br, Cu	
67		B-67-B	Rm 14	3363/64	N	Br, Cu	
68		B-68-CF	Rm 15	3365	Y	Br, Cu	
69		B-69-B	Rm 15	3365	N	Br, Cu	
70		B-70-BF	Men's by Rm 15- Left	3366	Y	Br, Cu	
71		B-71-BF	Men's by Rm 15-Right	3366	Y	Br, Cu	
72		B-72-DS	Men's by Rm 15- Custodial	3367	N	Unknown	
73		B-73-Bottle	Main Office	3368	N	Unknown	
74		B-74-DF	Main Office-Right	3368	N	Unknown	
75		B-75-DF	Main Office- Left	3368	N	Unknown	
76		B-76-KF	Main Office Clinic	3369/70	Y	Br, Cu	
77		B-77-BF	Main Office Clinic	3371	Y	Br, Cu	
78		B-78-BF	Restroom by Main Office	3372	Y	Br, Cu	
79		B-79-BF	Adult Restroom by Office B	3373	Y	Br, Cu	
80		B-80-BF	ASD Restroom	3374	Y	Br, Cu	
81		B-81-KF	Teacher's Lounge	3375/76	Y	Br, Cu	
82		B-82-CF	LRC/ASD Preschool	3377/78	Y	Br, Cu	

Released by: TWB

Received by: GPO

Date: 5-15-17 Time: 8:53

B

SAMPLE LOG IN CHECKLIST

Trace ID #: 171E283 Date: 5-15-17 Package Description: Cooler Temperature: 19.3
Client Name: Birmingham Time: 8:53 Logged In by: GJ

Cooler Receipt

Cooler/samples delivered by: Trace courier
Hand delivered Name of delivery person: _____
Commercial courier 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 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 type="checkbox"/>	<input type="checkbox"/>	

Notes: _____

***EMD pH Test Strips Used:**
 pH 0-2.5 pH 11.0-13.0
 Lot: HC683733 Lot: HC647328
 Other: _____
Lot: HC683733 verified 8/21/16 AY
Lot: HC674781 verified 04/03/17 JS

