



Trace Analytical Laboratories, Inc.
2241 Black Creek Road
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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: Quarton

TRACE ID: T17E280-01

<i>Sample Point Description</i>	<i>Collected</i>	<i>Collected By</i>	<i>Received at Laboratory</i>
Q-03-CF	5/13/17 9:05	twb	5/15/17 8:26

Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD
Copper	0.57 mg/L	1.3	5/17/17 13:16	5/19/17 12:38	dtm	EPA 200.8 Rev. 5.4
Lead	0.0020 mg/L	0.015	5/17/17 13:16	5/19/17 12:38	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: **Quarton**

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

Trace ID: 117E80
 Logged by: GH
 Checked by: JAB

Trace No.	Time Taken	Sample Point	Location	Photo(s)	Aerator?	Connecting Plumbing	Notes
1		Q-01-KF	Custodial Receiving	2381/82	Y	Br, Cu	
2		Q-02-DF	Hall Outside Receiving	2383	y	Unknown	
3	<u>9:05</u>	Q-03-CF	Rm 101	2384/85	Y	Br, Cu	
4		Q-04-CF	Rm 102	2386/87	Y	Br, Cu	
5		Q-05-BF	Main Office Clinic	2388	Y	Br, Cu	
6		Q-06-KF	Main Office Workroom	2389/90	Y	Br, Cu	
7		Q-07-CF	Rm 104 A	2391/92	Y	Br, Cu	
8		Q-08-BF	Boys Restroom By 105-Left	2393	Y	Br, Cu	
9		Q-09-BF	Boys Restroom By 105-Middle	2393	Y	Br, Cu	
10		Q-10-BF	Boys Restroom By 105-Right	2393	Y	Br, Cu	
11		Q-11-BF	Unisex by 105	2394	Y	Br, Cu	
12		Q-12-Bottle	Hall by 105	2395	N	Unknown	
13		Q-13-CF	Rm 106A	2396	Y	Br, Cu	
14		Q-14-CF	Rm 107	2397/98	Y	Br, Cu	
15		Q-15-DF	Outside 104	2399	N	Unknown	
16		Q-16-BF	Unisex by 104	2400	Y	Br, Cu	
17		Q-17-BF	Girl's Restroom by 108-Left	2401	Y	Br, Cu	
18		Q-18-BF	Girl's Restroom by 108-Middle	2401	Y	Br, Cu	
19		Q-19-BF	Girl's Restroom by 108-Right	2401	Y	Br, Cu	
20		Q-20-CF	Rm 109	2402/03	Y	Br, Cu, P	
21		Q-21-B	Rm 109	2402/03	N	Br, Cu, P	
22		Q-22-BF	Rm 110-Left	2404/05	Y	Br, Cu, P	
23		Q-23-BF	Rm 110-Right	2404/05	Y	Br, Cu, P	
24		Q-24-KF	Rm 110	2406/07	Y	Br, Cu, P	
25		Q-25-DF	Hall by 110	2408	N	Unknown	
26		Q-26-DS	Custodial Rm by 110	2409	N	Unknown	
27		Q-27-CF	Rm 111- 1	2410/11	Y	Br, Cu	
28		Q-28-CF	Rm 111- 2	2412/13	Y	Br, Cu	
29		Q-29-CF	Rm 111-3- by window	2414	Y	Br, Cu	
30		Q-30-DS	Boiler Rm	2415	N	Unknown	
31		Q-31-KF	Staff Lounge	2416/17	Y	Br, Cu, P	
32		Q-32-BF	Staff Lounge	2418	Y	Br, Cu	
33		Q-33-HS	Kitchen	2419/20	Y	Br, Cu	
34		Q-34-KF	Corner Sink- Left	2421/22	N	Br, Cu	
35		Q-35-KF	Corner Sink-Right	2421/2422	N	Br, Cu	
36		Q-36-KF	Kitchen Island	2423/23	Y	Br, Cu	
37		Q-37-DS	Multi Purpose Storage	2425	N	Unknown	
38		Q-38-DS	Multi Purpose- Custodial	2426	N	Unknown	
39		Q-39-DF	Multi Purpose Hall-Left	2427	N	Unknown	
40		Q-40-DF	Multi Purpose Hall- Right	2427	N	Unknown	
41		Q-41-BF	Multi Purpose- Unisex	2428	Y	Br, Cu	

Released by: [Signature]

Received by: [Signature]

Date: 5-15-17 Time: 8:27



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SAMPLE LOG IN CHECKLIST

Trace ID #: 7175280 Date: 5-15-17 Package Description: Cooler Temperature: 19.3
 Client Name: Birmingham Time: 8:27 Logged In by: GH

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 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 = -0.6°C
 •IR Thermometer CF = -0.4°C

Temperature Blank: N/A °C (Digital Stick Thermometer)
 Range of 3 samples: 19.5 °C (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 type="checkbox"/>	<input checked="" type="checkbox"/>	

Notes: _____

*EMD pH Test Strips Used:
 pH 0-2.5 pH 11.0-13.0
 Lot: HC663733 Lot: HC547328
 Other: _____
 Lot: HC663733 verified 6/21/16 AY
 Lot: HC674781 verified 04/03/17 JB

