



Trace Analytical Laboratories, Inc.  
 2241 Black Creek Road  
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 www.trace-labs.com

State of Michigan Laboratory ID: 8001

May 22, 2017

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

PROJECT: Derby

TRACE ID: T17E286-01

Sample Point Description	Collected	Collected By	Received at Laboratory			
D-65-CF	5/13/17 8:40	twb	5/15/17 9:00			
Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD
Copper	0.65 mg/L	1.3	5/17/17 13:18	5/19/17 14:21	dtm	EPA 200.8 Rev. 5.4
Lead	0.072 mg/L	<b>0.015</b>	5/17/17 13:18	5/19/17 14:21	dtm	EPA 200.8 Rev. 5.4

TRACE ID: T17E286-02

Sample Point Description	Collected	Collected By	Received at Laboratory			
D-76-CF	5/13/17 8:42	twb	5/15/17 9:00			
Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD
Copper	0.33 mg/L	1.3	5/17/17 13:18	5/19/17 14:23	dtm	EPA 200.8 Rev. 5.4
Lead	<0.0010 mg/L	0.015	5/17/17 13:18	5/19/17 14:23	dtm	EPA 200.8 Rev. 5.4

TRACE ID: T17E286-03

Sample Point Description	Collected	Collected By	Received at Laboratory			
D-77-CF	5/13/17 8:43	twb	5/15/17 9:00			
Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD
Copper	0.39 mg/L	1.3	5/17/17 13:18	5/19/17 14:26	dtm	EPA 200.8 Rev. 5.4
Lead	<0.0010 mg/L	0.015	5/17/17 13:18	5/19/17 14:26	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**

Building: Derby

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

Trace ID: T17E286  
 Logged by: GH  
 Checked by: GH

Trace No.	Time Taken	Sample Point	Location	Photo(s)	Aerator?	Connecting Plumbing	Notes
40		D-40-CF	Rm 117 Right Wall- Left	3590/91	N	Br, Cu	
41		D-41-CF	Rm 117 Back Wall- Right	3592/93	N	Br, Cu	
42		D-42-CF	Rm 117 Back Wall- Right Middle	3594/95	N	Br, Cu	
43		D-43-CF	Rm 117 Back Wall- Left Middle	3596/97	N	Br, Cu	
44		D-44-CF	Rm 117 Back Wall- Left Middle	3598/99	N	Br, Cu	
45		D-45-CF	Rm 117 Left Wall- Right	3600/01	N	Br, Cu	
46		D-46-CF	Rm 117 Left Wall- Left	3602/03	N	Br, Cu	
47		D-47-CF	Rm 116 Teacher's Sink	3604	N	Unknown	
48		D-48-CF	Rm 116 RT Island- 1	3605	N	Unknown	
49		D-49-CF	Rm 116 RT Island- 2	3605	N	Unknown	
50		D-50-CF	Rm 116 RT Island- 3	3605	N	Unknown	
51		D-51-CF	Rm 116 LT Island- 1	3606	N	Unknown	
52		D-52-CF	Rm 116 LT Island- 2	3606	N	Unknown	
53		D-53-CF	Rm 116 LT Island- 3	3606	N	Unknown	
54		D-54-BF	Rm 108	3607	Y	Br, Cu	
55		D-55-BF	Girl's by 108-Left	3608	Y	Br, Cu	
56		D-56-BF	Girl's by 108-Middle	3608	Y	Br, Cu	
57		D-57-BF	Girl's by 108-Right	3608	Y	Br, Cu	
58		D-58-DS	Custodial by 108	3609	N	Unknown	
59		D-59-BF	Boy's by 108-Left	3610	Y	Br, Cu	
60		D-60-BF	Boy's by 108-Middle	3610	Y	Br, Cu	
61		D-61-BF	Boy's by 108-Right	3610	Y	Br, Cu	
62		D-62-Bottle	Hall by 108	3611	N	Unknown	
63		D-63-DF	Hall by 108	3611	N	Unknown	
64		D-64-CF	Rm 109- Left	3612/13	N	Unknown	
65	8:40	D-65-CF	Rm 109 Back Wall- Left	3614/15	Y	G,Br, Cu	
66		D-66-CF	Rm 109 Back Wall-Middle	3616/17/18	Y	Br, Cu	
67		D-67-CF	Rm 109 Back Wall- Right	3616/17/18	Y	Br, Cu	
68		D-68-CF	Rm 115 Left	3619/20	Y	P,Br, Cu	
69		D-69-CF	Rm 115 Left Middle	3619/20	Y	Br, Cu	
70		D-70-CF	Rm 115 Right Middle	3621	Y	Br, Cu	
71		D-71-CF	Rm 115 Right	3621	Y	Br, Cu	
72		No Sample					
73		D-73-CF	Rm 114 Left-1	3622/23	Y	Br, Cu	
74		D-74-CF	Rm 114 Left-2	3622/23	Y	Br, Cu	
75		D-75-CF	Rm 114-Middle- 1	3626/27/28	Y	Br, Cu	
76	8:42	D-76-CF	Rm 114-Middle-2	3626/27/28	Y	Br, Cu	
77	8:43	D-77-CF	Rm 114- Right- 1	3629/30/31	Y	Br, Cu	
78		D-78-CF	Rm 114- Right- 2	3629/30/31	Y	Br, Cu	

Released by: [Signature] Received by: [Signature] Date: 5/16/17 Time: 9:00

**SAMPLE LOG IN CHECKLIST**

Trace ID #: TTE286 Date: 5-15-17 Package Description: Cooler Temperature: 19.3  
Client Name: Birmingham Time: 9:00 Logged In by: AJ

**Cooler Receipt**

Cooler/samples delivered by: Trace courier  Hand delivered  Commercial courier  UPS  FED EX  US Mail  Name of delivery person: \_\_\_\_\_

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: 19.1-19.5 °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 0-2.5 Lot: HC683733  pH 11.0-13.0 Lot: HC647328  
 Other: \_\_\_\_\_  
Lot: HC683733 verified 02/1/16 AY  
Lot: HC674761 verified 04/03/17 JB

