



Trace Analytical Laboratories, Inc.
2241 Black Creek Road
Muskegon, MI 49444-2673
Phone: 231.773.5998 Fax: 888.979.4467
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: Pembroke

TRACE ID: T17E278-01

<i>Sample Point Description</i>	<i>Collected</i>	<i>Collected By</i>	<i>Received at Laboratory</i>
PB-01-DF	5/13/17 8:50	twb	5/15/17 8:26

Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD
Copper	0.36 mg/L	1.3	5/17/17 13:16	5/19/17 12:23	dtm	EPA 200.8 Rev. 5.4
Lead	0.0015 mg/L	0.015	5/17/17 13:16	5/19/17 12:23	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



the science of compliance

phone 231.773.5998
 toll-free 800.733.5998
 fax 231.773.6537

Trace Analytical Laboratories, Inc.
 2241 Black Creek Road
 Muskegon, MI 49444-2673
 info@trace-labs.com
 www.trace-labs.com

Birmingham Schools Fixture Inventory

Page 1 of 1

Building: Pembroke

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

Trace ID: T17E278
 Logged by: CH
 Checked by: MKS

Trace No.	Time Taken	Sample Point	Location	Photo(s)	Aerator?	Connecting Plumbing	Notes
1	8:50	PB-01-DF	Outside DF	2453	N	Unknown	
		PB-02-EW	Boiler Rm	2454	N	Br, Cu	
		PB-03-DS	Boiler Rm	2454	N	Br, Cu	
		PB-04-KF	Kitchen Triple Sink-Left	2455/56	N	Br, Cu	
		PB-05-KF	Kitchen Triple Sink-Right	2455/56	N	Br, Cu	
		PB-06-HS	Kitchen Handsink	2457	Y	Br, Cu	
		PB-07-BF	Rm 110	2458	Y	Br, Cu	
		PB-08-BF	Main Office Copy Rm	2459/60	Y	Br, Cu	
		PB-09-BF	Main Office Clinic	2461	Y	Br, Cu	
		PB-10-KF	Staff Lounge	2462/63	Y	Br, Cu	
		PB-11-CF	Rm 109- Sink 1	2464/65/6	Y	Br, Cu	
		PB-12-CF	Rm 109- Sink 2	2464/65/6	Y	Br, Cu	
		PB-13-CF	Rm 109- Sink 3	2464/65/6	Y	Br, Cu	
		PB-14-B	Rm 109- Sink 3	2464/65/6	N	Br, Cu	
		PB-15-BF	Rm 108	2471	Y	Br, Cu	
		PB-16-CF	Rm 108	2472/73	Y	Br, Cu	
		PB-17-B	Rm 108	2472/73	N	Br, Cu	
		PB-18-BF	Rm 107	2474	Y	Br, Cu	
		PB-19-CF	Rm 107	2475/76	Y	Br, Cu	
		PB-20-B	Rm 107	2475/76	N	Br, Cu	
		PB-21-BF	Rm 106	2477	Y	Br, Cu	
		PB-22-CF	Rm 106	2478/79	Y	Br, Cu	
		PB-23-B	Rm 106	2478/79	N	Br, Cu	
		PB-24-BF	Rm 105	2480	Y	Br, Cu	
		PB-25-CF	Rm 105	2481/82	Y	Br, Cu	
		PB-26-B	Rm 105	2481/82	N	Br, Cu	
		PB-27-BF	Rm 104	2483	Y	Br, Cu	
		PB-28-CF	Rm 104	2484	Y	Br, Cu	
		PB-29-B	Rm 104	2484	N	Br, Cu	
		PB-30-DS	Custodial by 104	2485	N	Unknown	
		PB-31-EW	Custodial by 104	2485	N	Unknown	
		PB-32-CF	Rm 103	2486/87	Y	Br, Cu	
		PB-33-B	Rm 103	2486/87	N	Br, Cu	
		PB-34-BF	Rm 103	2488	Y	Br, Cu	
		PB-35-CF	Rm 102	2489	Y	Br, Cu	
		PB-36-B	Rm 102	2489	N	Br, Cu	
		PB-37-BF	Rm 102	2490	Y	Br, Cu	
		PB-38-BF	Rm 101	2491	Y	Br, Cu	
		PB-39-CF	Rm 101	2492/93	Y	Br, Cu	

Released by: [Signature] Received by: [Signature] Date: 5-15-17 Time: 8:26



phone 231.773.5998
 toll-free 800.733.5998
 fax 231.773.6537

Trace Analytical Laboratories, Inc.
 2241 Black Creek Road
 Muskegon, MI 49444-2673
 info@trace-labs.com
 www.trace-labs.com

SAMPLE LOG IN CHECKLIST

Trace ID #: T17E278 Date: 5-15-17 Package Description: Cooler Temperature: 19.3
 Client Name: Birmingham Time: 8:26 Logged In by: CH

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: 19.7 °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: HC647328

Other: _____

Lot: HC663733 verified 8/21/10 AY
 Lot: HC674761 verified 04/03/17 JS

