



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

March 15, 2017

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

PROJECT: Seaholm

TRACE ID: T17B408-01

Sample Point Description	Collected	Collected By	Received at Laboratory			
S-244-Bottle	2/25/17 7:55	twb	2/27/17 8:48			
Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD
Copper	0.45 mg/L	1.3	3/13/17 7:33	3/14/17 18:03	dtm	EPA 200.8 Rev. 5.4
Lead	<0.0010 mg/L	0.015	3/13/17 7:33	3/14/17 18:03	dtm	EPA 200.8 Rev. 5.4

TRACE ID: T17B408-02

Sample Point Description	Collected	Collected By	Received at Laboratory			
S-276-BF	2/25/17 8:00	twb	2/27/17 8:48			
Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD
Copper	1.4 mg/L	1.3	3/13/17 7:33	3/15/17 11:36	dtm	EPA 200.8 Rev. 5.4
Lead	0.0059 mg/L	0.015	3/13/17 7:33	3/14/17 18:06	dtm	EPA 200.8 Rev. 5.4

TRACE ID: T17B408-03

Sample Point Description	Collected	Collected By	Received at Laboratory			
S-278-BF	2/25/17 8:01	twb	2/27/17 8:48			
Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD
Copper	0.38 mg/L	1.3	3/13/17 7:33	3/14/17 18:08	dtm	EPA 200.8 Rev. 5.4
Lead	0.0048 mg/L	0.015	3/13/17 7:33	3/14/17 18:08	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.

5730

  
 Jon Mink  
 Senior Project Manager





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**PROJECT: Seaholm**

**TRACE ID: T17B408-04**

<i>Sample Point Description</i>		<i>Collected</i>		<i>Collected By</i>		<i>Received at Laboratory</i>	
S-307-Bottle		2/25/17	7:57	twb		2/27/17	8:48
<b>Metals, Total</b>	<b>RESULT</b>	<b>* MCL</b>	<b>PREPARED</b>	<b>ANALYZED</b>	<b>BY</b>	<b>METHOD</b>	
Copper	0.41 mg/L	1.3	3/13/17 7:33	3/14/17 18:11	dtm	EPA 200.8 Rev. 5.4	
Lead	<0.0010 mg/L	0.015	3/13/17 7:33	3/14/17 18:11	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**

Page 1 of 1

Building: Seaholm

Date Collected: 2/25/17  
 Sampler's Initials: TWD

Trace ID: TT13408  
 Logged by: [Signature]  
 Checked by: [Signature]

Trace No.	Time Taken	Sample Point	Location	Photo(s)	Aerator?	Connecting Plumbing	Notes
1	7:57	S-244-Bottle	Main Office	2217	N	Unknown	
2	8:00	S-276-BF	Dressing Rm 1	2245	Y	Br, Cu	
3	8:01	S-278-BF	Dressing Rm 2- Left	2247	Y	Br, Cu	
4	7:57	S-307-Bottle	Cafeteria	2288	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: 2/27/17 Time: 8:48



### SAMPLE LOG IN CHECKLIST

Trace ID #: TTMS408 Date: 2/27/17 Package Description: Cooler Temperature: 16.7  
Client Name: Birmingham Schools Time: 8:48 Logged In by: JS

#### Cooler Receipt

Cooler/samples delivered by: Trace courier  Hand delivered  Commercial courier  Name of delivery person: Tom Brower

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 = -1.0°C  
• Thermocouple CF = -1.0°C

Temperature Blank: NONE °C (Digital Stick Thermometer)  
Range of 3 samples: 12.6-12.7 °C (Thermocouple)  
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 checked="" type="checkbox"/>	<input type="checkbox"/>	

Notes:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**\*EMD pH Test Strips Used:**

pH 0-2.5 Lot: HC663733  pH 11.0-13.0 Lot: HC547328

Other: \_\_\_\_\_

Lot: HC663733 verified 8/21/16 AY  
Lot: HC547328 verified 6/30/16 AY

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