

State of Michigan Laboratory ID: 8001

November 05, 2018

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

**PROJECT: Seaholm Resampling**

**TRACE ID: T18J759-01**

<i>Sample Point Description</i>	<i>Collected</i>	<i>Collected By</i>	<i>Received at Laboratory</i>
S-82 - CF	10/31/18 6:50	Eb	10/31/18 13:45

Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD
Copper	0.52 mg/L	1.3	11/1/18 12:31	11/2/18 9:56	jbb	EPA 200.8 Rev. 5.4
Lead	<0.0010 mg/L	0.015	11/1/18 12:31	11/2/18 9:56	jbb	EPA 200.8 Rev. 5.4

**TRACE ID: T18J759-02**

<i>Sample Point Description</i>	<i>Collected</i>	<i>Collected By</i>	<i>Received at Laboratory</i>
S-110- CF	10/31/18 6:55	Eb	10/31/18 13:45

Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD
Copper	0.51 mg/L	1.3	11/1/18 12:31	11/2/18 9:58	jbb	EPA 200.8 Rev. 5.4
Lead	0.0043 mg/L	0.015	11/1/18 12:31	11/2/18 9:58	jbb	EPA 200.8 Rev. 5.4

**TRACE ID: T18J759-03**

<i>Sample Point Description</i>	<i>Collected</i>	<i>Collected By</i>	<i>Received at Laboratory</i>
S-210- CF	10/31/18 7:00	Eb	10/31/18 13:45

Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD
Copper	0.53 mg/L	1.3	11/1/18 12:31	11/2/18 10:00	jbb	EPA 200.8 Rev. 5.4
Lead	0.0021 mg/L	0.015	11/1/18 12:31	11/2/18 10:00	jbb	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



**CHAIN-OF-CUSTODY RECORD**

Trace Analytical Laboratories, Inc.  
 2241 Black Creek Road  
 Muskegon, MI 49444-2673

Phone 231.773.5998  
 Fax 888.979.4469  
 www.trace-labs.com

Trace ID No.  
**T155459**

**Report Results To:**

Company Name: <u>Birmingham Schools</u>	PO #:
Report To:	Contact Name:
Mailing Address:	Billing Address (if different):
City, State, Zip Code:	City, State, Zip Code:
Office Phone:	Phone Number:
Cell Phone:	Billing Email Address:

**Trace Use:**

Logged By: <u>MS</u>
Checked By: <u>GLJ</u>
Soil Volatiles Preserved (circle if applicable): <input type="checkbox"/> MeOH <input type="checkbox"/> Low Level <input type="checkbox"/> Lab
Sampling Time:

**Turnaround Requirements:**

Standard     48 Hour\*  
 4 Day\*     24 Hour\*  
 3 Day\*     \*Requires Prior Approval

**Matrix Key:**  
 S = Soil / Solid    W1 = Wipes  
 W = Water    LW = Liquid Waste  
 SL = Sludge    A = Air  
 OI = Oil    D = Drinking Water

Project Name: School Resampling    Sampled By: GB

Trace No.	Date Collected	Time Collected	Client Sample ID	Metals Field Filtered (Y/N)	Matrix	Number of Containers	Preservation							Remarks	Possible Health Hazards?				
							Cool	HCl	HNO <sub>3</sub>	H <sub>2</sub> SO <sub>4</sub>	NaOH	Other							
1	10-31-18	6:50	S 82		W1	1													
2	11-1-18	6:55	S 110		W1	1													
3	11-1-18	7:00	S 210		W1	1													

**Please Sign**

Released By: <u>[Signature]</u>	Received By: <u>[Signature]</u>	Date: <u>10/31/18</u>	Time: <u>13:45</u>
Released By:	Received By:	Date:	Time:

Check this box if you would not like your samples analyzed if received outside of the conditions outlined in the Trace Sample Acceptance Policy at www.trace-labs.com/downloads.

**SAMPLE LOG IN CHECKLIST**

Trace ID #: TBT 759 Date: 10/31/18 Package Description: Cooler Temperature: 18.3  
 Client Name: Birmingham Schools/ Time: 13:45 Logged in by: JS

**Cooler Receipt**

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

Tracking Number:  Not Applicable  
 Tracking #: \_\_\_\_\_

COC Seals present and intact on cooler?  Not Applicable  No  Yes  
 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 = -0.8°C  
 Representative Sample Temperature: 18.1 °C (check one below)  
 Temp Blank (Stick Thermometer)  
 Client Sample (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 type="checkbox"/>	<input checked="" 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:**  
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**\*EMD pH Test Strips Used:**  
 pH 0-2.5 Lot: HC731452  pH 11.0-13.0 Lot: HC600691  
 Other: \_\_\_\_\_