

State of Michigan Laboratory ID: 8001

November 05, 2018

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

PROJECT: Covington Resampling

TRACE ID: T18J760-01

<i>Sample Point Description</i>	<i>Collected</i>	<i>Collected By</i>	<i>Received at Laboratory</i>
C-57- KF	10/31/18 5:05	eb	10/31/18 13:45

Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD
Copper	0.42 mg/L	1.3	11/1/18 12:31	11/2/18 10:01	jbb	EPA 200.8 Rev. 5.4
Lead	<0.0010 mg/L	0.015	11/1/18 12:31	11/2/18 10:01	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

TRACE

ANALYTICAL LABORATORIES, INC.

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

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Trace ID No.
7185760

Report Results To:

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

Trace Use:

Logged By: MS
 Checked By: MS
 Soil Volatiles Preserved (circle if applicable):
 MeOH Low Level Lab
 Sampling Time:

Turnaround Requirements:
 Standard 48 Hour*
 4 Day* 24 Hour*
 3 Day* *Requires Prior Approval

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

Trace No.	Date Collected	Time Collected	Client Sample ID	Sampled By:	Metals Field Filtered (Y / N)	Matrix	Number of Containers	Preservation						Remarks	Possible Health Hazards?					
								Cool	HCl	HNO ₃	H ₂ SO ₄	NaOH	Other							
1	10-31-18	5:05	C 57 KE	GB		W1	1													
Project Name: <u>Livingston Resample</u> In executing this Chain of Custody, the client acknowledges the terms as set forth at www.trace-labs.com/terms-of-agreement .																				

Please Sign

Released By: <u>SB</u>	Received By: <u>Maoh</u>	Date: <u>10/31/18</u>	Time: <u>1345</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 #: TRF 760 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 Bensen

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

<p>Type of Coolant Used</p> <p>Slurry w/ crushed, cubed, or chip ice? <input type="checkbox"/></p> <p>Multiple bags of ice around samples? <input type="checkbox"/></p> <p>Ice Packs/ Blue Ice: <input type="checkbox"/></p> <p>No Coolant Present: <input checked="" type="checkbox"/></p> <p>Ice still present upon receipt (circle one): Yes No <u>N/A</u></p>	<p>Cooler Temperature</p> <p>Correction Factors: • Digital Stick Thermometer CF = -0.6°C • IR Thermometer CF = -0.8°C</p> <p>Representative Sample Temperature: <u>18.1</u> °C (check one below) <input type="checkbox"/> Temp Blank (Stick Thermometer) <input checked="" type="checkbox"/> Client Sample (IR Thermometer)</p> <p>Melt Water: <u>None</u> °C (Use Digital Stick Thermometer)</p>
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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:

***EMD pH Test Strips Used:**

pH 0-2.5 Lot: HC731452 pH 11.0-13.0 Lot: HC600691
 Other: _____