

State of Michigan Laboratory ID: 8001

November 05, 2018

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

PROJECT: Berkshire Resampling

TRACE ID: T18J758-01

<i>Sample Point Description</i>	<i>Collected</i>	<i>Collected By</i>	<i>Received at Laboratory</i>
BK - C1	10/31/18 7:10	eb	10/31/18 13:45

Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD
Copper	0.15 mg/L	1.3	11/1/18 12:31	11/2/18 9:32	jbb	EPA 200.8 Rev. 5.4
Lead	0.030 mg/L	0.015	11/1/18 12:31	11/2/18 9:32	jbb	EPA 200.8 Rev. 5.4

TRACE ID: T18J758-02

<i>Sample Point Description</i>	<i>Collected</i>	<i>Collected By</i>	<i>Received at Laboratory</i>
BK - C2	10/31/18 7:11	eb	10/31/18 13:45

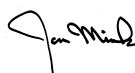
Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD
Copper	0.079 mg/L	1.3	11/1/18 12:31	11/2/18 9:33	jbb	EPA 200.8 Rev. 5.4
Lead	<0.0010 mg/L	0.015	11/1/18 12:31	11/2/18 9:33	jbb	EPA 200.8 Rev. 5.4

TRACE ID: T18J758-03

<i>Sample Point Description</i>	<i>Collected</i>	<i>Collected By</i>	<i>Received at Laboratory</i>
BK - C3	10/31/18 7:12	eb	10/31/18 13:45

Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD
Copper	0.076 mg/L	1.3	11/1/18 12:31	11/2/18 9:35	jbb	EPA 200.8 Rev. 5.4
Lead	0.0011 mg/L	0.015	11/1/18 12:31	11/2/18 9:35	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.



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TRACE ID: T18J758-04

Sample Point Description BK - C4	Collected 10/31/18 7:13	Collected By eb	Received at Laboratory 10/31/18 13:45
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Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD
Copper	0.059 mg/L	1.3	11/1/18 12:31	11/2/18 9:37	jbb	EPA 200.8 Rev. 5.4
Lead	<0.0010 mg/L	0.015	11/1/18 12:31	11/2/18 9:37	jbb	EPA 200.8 Rev. 5.4

TRACE ID: T18J758-05

Sample Point Description BK - C5	Collected 10/31/18 7:14	Collected By eb	Received at Laboratory 10/31/18 13:45
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Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD
Copper	0.046 mg/L	1.3	11/1/18 12:31	11/2/18 9:38	jbb	EPA 200.8 Rev. 5.4
Lead	<0.0010 mg/L	0.015	11/1/18 12:31	11/2/18 9:38	jbb	EPA 200.8 Rev. 5.4

TRACE ID: T18J758-06

Sample Point Description BK - C6	Collected 10/31/18 7:15	Collected By eb	Received at Laboratory 10/31/18 13:45
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Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD
Copper	0.044 mg/L	1.3	11/1/18 12:31	11/2/18 9:48	jbb	EPA 200.8 Rev. 5.4
Lead	<0.0010 mg/L	0.015	11/1/18 12:31	11/2/18 9:48	jbb	EPA 200.8 Rev. 5.4

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PROJECT: Berkshire Resampling

TRACE ID: T18J758-07

<i>Sample Point Description</i> BK - C7	<i>Collected</i> 10/31/18 7:16	<i>Collected By</i> eb	<i>Received at Laboratory</i> 10/31/18 13:45
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Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD
Copper	0.040 mg/L	1.3	11/1/18 12:31	11/2/18 9:50	jbb	EPA 200.8 Rev. 5.4
Lead	<0.0010 mg/L	0.015	11/1/18 12:31	11/2/18 9:50	jbb	EPA 200.8 Rev. 5.4

TRACE ID: T18J758-08

<i>Sample Point Description</i> BK - C8	<i>Collected</i> 10/31/18 7:17	<i>Collected By</i> eb	<i>Received at Laboratory</i> 10/31/18 13:45
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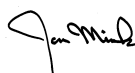
Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD
Copper	0.037 mg/L	1.3	11/1/18 12:31	11/2/18 9:51	jbb	EPA 200.8 Rev. 5.4
Lead	<0.0010 mg/L	0.015	11/1/18 12:31	11/2/18 9:51	jbb	EPA 200.8 Rev. 5.4

TRACE ID: T18J758-09

<i>Sample Point Description</i> BK - C9	<i>Collected</i> 10/31/18 7:18	<i>Collected By</i> eb	<i>Received at Laboratory</i> 10/31/18 13:45
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Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD
Copper	0.039 mg/L	1.3	11/1/18 12:31	11/2/18 9:53	jbb	EPA 200.8 Rev. 5.4
Lead	<0.0010 mg/L	0.015	11/1/18 12:31	11/2/18 9:53	jbb	EPA 200.8 Rev. 5.4

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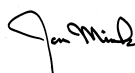
PROJECT: Berkshire Resampling

TRACE ID: T18J758-10

<i>Sample Point Description</i>	<i>Collected</i>	<i>Collected By</i>	<i>Received at Laboratory</i>
BK - C10	10/31/18 7:19	eb	10/31/18 13:45

Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD
Copper	0.039 mg/L	1.3	11/1/18 12:31	11/2/18 9:55	jbb	EPA 200.8 Rev. 5.4
Lead	<0.0010 mg/L	0.015	11/1/18 12:31	11/2/18 9:55	jbb	EPA 200.8 Rev. 5.4

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SAMPLE LOG IN CHECKLIST

Trace ID #: TRT 758 Date: 10/31/18 Package Description: Coker 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: Edm 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:

***EMD pH Test Strips Used:**

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

Other: _____