



Trace Analytical Laboratories, Inc.
 2241 Black Creek Road
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State of Michigan Laboratory ID: 8001

May 22, 2017

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

PROJECT: Seaholm

TRACE ID: T17E288-01

<i>Sample Point Description</i>	<i>Collected</i>		<i>Collected By</i>		<i>Received at Laboratory</i>	
S-343-DF	5/13/17	12:06	twb		5/15/17	9:10
Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD
Copper	0.083 mg/L	1.3	5/17/17 13:19	5/19/17 14:53	dtm	EPA 200.8 Rev. 5.4
Lead	0.0046 mg/L	0.015	5/17/17 13:19	5/19/17 14:53	dtm	EPA 200.8 Rev. 5.4

TRACE ID: T17E288-02

<i>Sample Point Description</i>	<i>Collected</i>		<i>Collected By</i>		<i>Received at Laboratory</i>	
S-276-BF	5/13/17	12:01	twb		5/15/17	9:10
Metals, Total	RESULT	* MCL	PREPARED	ANALYZED	BY	METHOD
Copper	1.2 mg/L	1.3	5/17/17 13:19	5/19/17 14:55	dtm	EPA 200.8 Rev. 5.4
Lead	0.015 mg/L	0.015	5/17/17 13:19	5/19/17 14:55	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

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Building: **Seaholm**

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

Trace ID: T17E288
 Logged by: RM
 Checked by: EB

Trace No.	Time Taken	Sample Point	Location	Photo(s)	Aerator?	Connecting Plumbing	Notes
IF		S-313-HS	Serving Line HS 1	2291/92	Y	Br, Cu	
IG		S-314-HS	Serving Line HS 2	2293/2294	Y	Br, Cu	
IH		S-315-HS	Serving Line HS 3	2295/96	Y	Br, Cu	
II		S-316-HS	Kitchen by Clock	2297/98	Y	Br, Cu	
IJ		S-317-KF	Kitchen Double Slnk	2299/2300	Y	Br, Cu	
IK		S-318-KF	Kitchen Triple- Dishwashing	2301/02	Y	Br, Cu	
IL		S-319-KF	Kitchen Triple- Middle	2301/02	Y	Br, Cu	
IM		S-320-KF	Kitchen Triple- Right	2301/02	Y	Br, Cu	
IN		S-321-HS	Kitchen by F.E.	2304/05	Y	Br, Cu	
IO		S-322-KF	Kitchen Island	2306/07	Y	Br, Cu	
IP		S-323-KF	Kitchen- Back DBL Slnk-Left	2308/09	Y	Br, Cu	
IQ		S-324-KF	Kitchen- Back DBL Slnk- Right	2310	Y	Br, Cu	
IR		S-325-HS	Kitchen Back Wall	2311/12	Y	Br, Cu	
IS		S-326-KF	Snack Bar	2313/14	Y	Br, Cu	
IT		S-327-BF	Kitchen- Men's	2315/16	Y	Br, Cu	
IU		S-328-BF	Kitchen- Women's- Left	2317/18	Y	Br, Cu	
IV		S-329-BF	Kitchen- Women's- Right	2317/18	Y	Br, Cu	
IW		S-330-KF	Kitchen Pantry	2319/20	Y	Br, Cu	
IX		S-331-DS	Kitchen- Custodial	2321	N	Unknown	
IY		S-332-DS	Receiving	2322	N	Unknown	
IZ		S-333-BF	Lower B- Women's-Left	2323/24	Y	Br, Cu	
JA		S-334-BF	Lower B- Women's- Middle	2323/24	Y	Br, Cu	
JB		S-335-BF	Lower B- Women's- Right	2323/24	Y	Br, Cu	
JC		S-336-BF	Lower B- Men's- Left	2325/26/27	Y	Br, Cu	
JD		S-337-BF	Lower B- Men's- Middle	2325/26/27	Y	Br, Cu	
JE		S-338-BF	Lower B- Men's- Right	2325/26/27	Y	Br, Cu	
JF		S-339-KF	B 003	2328/29	Y	Br, Cu	
JG		S-340-Spigot	Building Engineering	2330	N	Unknown	
JH		S-341-DS	Lower B- Custodial	2331	N	Unknown	
JI		S-342-DF	E Hall- Left	2332	N	Unknown	
<u>1</u> JJ	<u>12:06</u>	S-343-DF	E Hall- Right	2332	N	Unknown	
JK		S-344-BF	Women's E Hall- Left	2333	Y	Br, Cu	
JL		S-345-BF	Women's E Hall- Right	2333	Y	Br, Cu	
JM		S-346-DS	Women's E Hall	2334	N	Unknown	
JN		S-347-BF	Men's E Hall- Left	2335	Y	Br, Cu	
JO		S-348-BF	Men's E Hall- Right	2335	Y	Br, Cu	
JP		S-349-KF	E113- Right	2336/37	Y	Br, Cu	
JQ		S-350-KF	E113- Left	2338/39	Y	Br, Cu	
JR		S-351-DS	E Hall- Custodial	2340	N	Unknown	

Released by: TWB

Received by: [Signature]

Date: 5/16/17 Time: 9:10



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Birmingham Schools Fixture Inventory

Page 2 of 2

Building: Seaholm

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

Trace ID: T17E288
 Logged by: AM
 Checked by: GH

Trace No.	Time Taken	Sample Point	Location	Photo(s)	Aerator?	Connecting Plumbing	Notes
GS		S-274-BF	Band Rm	2242	N	Unknown	
GT		S-275-CF	Band Storage	2243/44	Y	Br, Cu	
(2) GU	12:10	S-276-BF	Dressing Rm 1	2245	Y	Br, Cu	
GV		S-277-BF	Dressing Rm 2- Right	2246	Y	Br, Cu	
GW		S-278-BF	Dressing Rm 2- Left	2247	Y	Br, Cu	
GX		S-279-BF	Dressing Rm 3	2248	Y	Br, Cu	
GY		S-280-DS	Lower G- Custodial	2249	N	Unknown	
GZ		S-281-DF	Lower G- Hall	2250	Y	Unknown	
HA		S-282-BF	Lower G- Men's- Left	2251/52	Y	Br, Cu	
HB		S-283-BF	Lower G- Men's- Right	2251/52	Y	Br, Cu	
HC		S-284-BF	Lower G- Women's- Left	2253	Y	Br, Cu	
HD		S-285-BF	Lower G- Women's- Right	2253	Y	Br, Cu	
HE		S-286-KF	Lower G- Staff Planning	2254/55	Y	Br, Cu	
HF		S-287-CF	G 003 Right	2256/57	Y	Br, Cu	
HG		S-288-CF	G 003 Left	2258/59	Y	Br, Cu	
HH		S-289-CF	G 003 Storage	2260/61	Y	Br, Cu	
HI		S-290-CF	G 002 North- 1	2262/63	Y	Br, Cu	
HJ		S-291-CF	G 002 North- 2	2264/65	Y	Br, Cu	
HK		S-292-CF	G 002 North- 3	2266	Y	Br, Cu	
HL		S-293-CF	G 002 North- 4	2267/68	Y	Br, Cu	
HM		S-294-CF	G 002 South- 1	2269	Y	Br, Cu	
HN		S-295-CF	G 002 South- 2	2270/71	Y	Br, Cu	
HO		S-296-CF	G 002 South- 3	2272/73	Y	Br, Cu	
HP		S-297-CF	G 002 South- 4	2274	Y	Br, Cu	
HQ		S-298-CF	G 001 Front- Right	2275/76	Y	Br, Cu	
HR		S-299-CF	G 001 Front- Left	2277/78	Y	Br, Cu	
HS		S-300-CF	G 001 Back- Left	2279/80	Y	Br, Cu	
HT		S-301-CF	G 001 Back- Right	2281/82	Y	Br, Cu	
HU		S-302-CF	G 001 Island	2283/84	Y	Br, Cu	
HV		S-303-CF	G 001 Storage	2285/86	Y	Br, Cu	
HW		S-304-BF	Cafeteria- Men's- Left	2287	Y	Br, Cu	
HX		S-305-BF	Cafeteria- Men's- Middle	2287	Y	Br, Cu	
HY		S-306-BF	Cafeteria- Men's Right	2287	Y	Br, Cu	
HZ		S-307-Bottle	Cafeteria	2288	N	Unknown	
IA		S-308-DF	Cafeteria	2288	N	Unknown	
IB		S-309-BF	Cafeteria- Women's- Left	2289	Y	Br, Cu	
IC		S-310-BF	Cafeteria- Women's- Middle	2289	Y	Br, Cu	
ID		S-311-BF	Cafeteria- Women's- Right	2289	Y	Br, Cu	
IE		S-312-DS	Serving- Custodial	2290	N	Unknown	

Released by: [Signature]

Received by: [Signature]

Date: 5/15/17 Time: 9:10

S

SAMPLE LOG IN CHECKLIST

Trace ID #: T17E288 Date: 5-15-17 Package Description: Cooler Temperature: 19.3
Client Name: Birmingham Time: 9:10 Logged in by: gll

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 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 = -0.6°C
•IR Thermometer CF = -0.4°C
Temperature Blank: N/A °C (Digital Stick Thermometer)
Range of 3 samples: 19.4-19.6 °C (IR Thermometer)
Melt Water: N/A °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 type="checkbox"/>	

Notes: _____

*EMD pH Test Strips Used:
 pH 0-2.5 pH 11.0-13.0
Lot: HC563733 Lot: HC547328
 Other: _____
Lot: HC563733 verified 8/21/16 AY
Lot: HC574761 verified 04/03/17 JS