

February 18, 2019

Samuel Boyd
Hampden-Wilbraham School District
621 Main Street
Wilbraham, MA 01095

Project Location: 466 Stony Hill Road, Wilbraham, MA
Client Job Number:
Project Number: School Code 06800310
Laboratory Work Order Number: 19B0375

Enclosed are results of analyses for samples received by the laboratory on February 8, 2019. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Raymond J. McCarthy
Project Manager

Table of Contents

Sample Summary	4
Case Narrative	5
Sample Results	6
19B0375-01	6
19B0375-02	7
19B0375-03	8
19B0375-04	9
19B0375-05	10
19B0375-06	11
19B0375-07	12
19B0375-08	13
19B0375-09	14
19B0375-10	15
19B0375-11	16
19B0375-12	17
19B0375-13	18
19B0375-14	19
19B0375-15	20
19B0375-16	21
19B0375-17	22
19B0375-18	23
19B0375-19	24
19B0375-20	25
19B0375-21	26
Sample Preparation Information	27

Table of Contents (continued)

QC Data	28
Metals Analyses (Total)	28
B223678	28
B223679	28
Flag/Qualifier Summary	29
Certifications	30
Chain of Custody/Sample Receipt	31

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Hampden-Wilbraham School District
 621 Main Street
 Wilbraham, MA 01095
 ATTN: Samuel Boyd

REPORT DATE: 2/18/2019

PURCHASE ORDER NUMBER: 191345

PROJECT NUMBER: School Code 06800310

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 19B0375

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 466 Stony Hill Road, Wilbraham, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
009P	19B0375-01	Drinking Water	Office Breakroom	EPA 200.8	
009F	19B0375-02	Drinking Water	Office Breakroom	EPA 200.8	
011P	19B0375-03	Drinking Water	Cooler main lobby	EPA 200.8	
011F	19B0375-04	Drinking Water	Cooler main lobby	EPA 200.8	
018P	19B0375-05	Drinking Water	Auditorium Hallway cooler high	EPA 200.8	
018F	19B0375-06	Drinking Water	Auditorium Hallway cooler high	EPA 200.8	
019P	19B0375-07	Drinking Water	Auditorium Hallway cooler low	EPA 200.8	
019F	19B0375-08	Drinking Water	Auditorium Hallway cooler low	EPA 200.8	
023P	19B0375-09	Drinking Water	Staff Lounge	EPA 200.8	
023F	19B0375-10	Drinking Water	Staff Lounge	EPA 200.8	
024P	19B0375-11	Drinking Water	Lower Academic Hallway South full sized	EPA 200.8	
024F	19B0375-12	Drinking Water	Lower Academic Hallway South full sized	EPA 200.8	
025P	19B0375-13	Drinking Water	Lower Academic Hallway South half sized	EPA 200.8	
025F	19B0375-14	Drinking Water	Lower Academic Hallway South half sized	EPA 200.8	
028P	19B0375-15	Drinking Water	Upper Academic Hallway South full sized	EPA 200.8	
028F	19B0375-16	Drinking Water	Upper Academic Hallway South full sized	EPA 200.8	
029P	19B0375-17	Drinking Water	Upper Academic Hallway South half sized	EPA 200.8	
029F	19B0375-18	Drinking Water	Upper Academic Hallway South half sized	EPA 200.8	
033P	19B0375-19	Drinking Water	Cafeteria Water Cooler South	EPA 200.8	
033F	19B0375-20	Drinking Water	Cafeteria Water Cooler South	EPA 200.8	
034P	19B0375-21	Drinking Water	Cafeteria Water Cooler South Bottle Filler	EPA 200.8	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

EPA 200.8

Qualifications:

MS-19

Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

Analyte & Samples(s) Qualified:

Copper

19B0375-21[034P], B223679-MS2

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Tod E. Kopyscinski
Laboratory Director

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 466 Stony Hill Road, Wilbraham,

Sample Description: Office Breakroom

Work Order: 19B0375

Date Received: 2/8/2019

Field Sample #: 009P

Sampled: 2/8/2019 06:25

Sample ID: 19B0375-01

Sample Matrix: Drinking Water

Metals Analyses (Total)

Analyte	Results	RL	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
			MA	ORSG					Prepared	Analyzed	
Copper	43	1.0	1300		µg/L	1	EPA 200.8	2/15/19	2/15/19 11:15	MJH	
Lead	8.7	0.50	15		µg/L	1	EPA 200.8	2/15/19	2/15/19 11:15	MJH	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 466 Stony Hill Road, Wilbraham,

Sample Description: Office Breakroom

Work Order: 19B0375

Date Received: 2/8/2019

Field Sample #: 009F

Sampled: 2/8/2019 06:25

Sample ID: 19B0375-02

Sample Matrix: Drinking Water

Metals Analyses (Total)

Analyte	Results	RL	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
			MA	ORSG					Prepared	Analyzed	
Copper	16	1.0	1300		µg/L	1	EPA 200.8	2/15/19	2/15/19 11:18	MJH	
Lead	0.53	0.50	15		µg/L	1	EPA 200.8	2/15/19	2/15/19 11:18	MJH	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 466 Stony Hill Road, Wilbraham,

Sample Description: Cooler main lobby

Work Order: 19B0375

Date Received: 2/8/2019

Field Sample #: 011P

Sampled: 2/8/2019 05:35

Sample ID: 19B0375-03

Sample Matrix: Drinking Water

Metals Analyses (Total)

Analyte	Results	RL	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
			MA ORSG						Prepared	Analyzed	
Copper	88	1.0	1300		µg/L	1	EPA 200.8	2/15/19	2/15/19 11:21	MJH	
Lead	ND	0.50	15		µg/L	1	EPA 200.8	2/15/19	2/15/19 11:21	MJH	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 466 Stony Hill Road, Wilbraham,

Sample Description: Cooler main lobby

Work Order: 19B0375

Date Received: 2/8/2019

Field Sample #: 011F

Sampled: 2/8/2019 05:36

Sample ID: 19B0375-04

Sample Matrix: Drinking Water

Metals Analyses (Total)

Analyte	Results	RL	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
			MA	ORSG					Prepared	Analyzed	
Copper	100	1.0	1300		µg/L	1	EPA 200.8	2/15/19	2/15/19 11:24	MJH	
Lead	ND	0.50	15		µg/L	1	EPA 200.8	2/15/19	2/15/19 11:24	MJH	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 466 Stony Hill Road, Wilbraham,

Sample Description: Auditorium Hallway cooler high

Work Order: 19B0375

Date Received: 2/8/2019

Field Sample #: 018P

Sampled: 2/8/2019 05:45

Sample ID: 19B0375-05

Sample Matrix: Drinking Water

Metals Analyses (Total)

Analyte	Results	RL	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
			MA	ORSG					Prepared	Analyzed	
Copper	130	1.0	1300		µg/L	1	EPA 200.8	2/15/19	2/15/19 11:27	MJH	
Lead	0.57	0.50	15		µg/L	1	EPA 200.8	2/15/19	2/15/19 11:27	MJH	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 466 Stony Hill Road, Wilbraham,

Sample Description: Auditorium Hallway cooler high

Work Order: 19B0375

Date Received: 2/8/2019

Field Sample #: 018F

Sampled: 2/8/2019 05:45

Sample ID: 19B0375-06

Sample Matrix: Drinking Water

Metals Analyses (Total)

Analyte	Results	RL	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
			MA	ORSG					Prepared	Analyzed	
Copper	21	1.0	1300		µg/L	1	EPA 200.8	2/15/19	2/15/19 11:30	MJH	
Lead	ND	0.50	15		µg/L	1	EPA 200.8	2/15/19	2/15/19 11:30	MJH	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 466 Stony Hill Road, Wilbraham,

Sample Description: Auditorium Hallway cooler low

Work Order: 19B0375

Date Received: 2/8/2019

Field Sample #: 019P

Sampled: 2/8/2019 05:47

Sample ID: 19B0375-07

Sample Matrix: Drinking Water

Metals Analyses (Total)

Analyte	Results	RL	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
			MA	ORSG					Prepared	Analyzed	
Copper	66	1.0	1300		µg/L	1	EPA 200.8	2/15/19	2/15/19 11:38	MJH	
Lead	ND	0.50	15		µg/L	1	EPA 200.8	2/15/19	2/15/19 11:38	MJH	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 466 Stony Hill Road, Wilbraham,

Sample Description: Auditorium Hallway cooler low

Work Order: 19B0375

Date Received: 2/8/2019

Field Sample #: 019F

Sampled: 2/8/2019 05:48

Sample ID: 19B0375-08

Sample Matrix: Drinking Water

Metals Analyses (Total)

Analyte	Results	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
		RL	MA ORSG							
Copper	62	1.0	1300	µg/L	1		EPA 200.8	2/15/19	2/15/19 11:41	MJH
Lead	ND	0.50	15	µg/L	1		EPA 200.8	2/15/19	2/15/19 11:41	MJH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 466 Stony Hill Road, Wilbraham,

Sample Description: Staff Lounge

Work Order: 19B0375

Date Received: 2/8/2019

Field Sample #: 023P

Sampled: 2/8/2019 05:53

Sample ID: 19B0375-09

Sample Matrix: Drinking Water

Metals Analyses (Total)

Analyte	Results	RL	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
			MA	ORSG					Prepared	Analyzed	
Copper	34	1.0	1300		µg/L	1	EPA 200.8	2/15/19	2/15/19 11:44	MJH	
Lead	1.9	0.50	15		µg/L	1	EPA 200.8	2/15/19	2/15/19 11:44	MJH	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 466 Stony Hill Road, Wilbraham,

Sample Description: Staff Lounge

Work Order: 19B0375

Date Received: 2/8/2019

Field Sample #: 023F

Sampled: 2/8/2019 05:53

Sample ID: 19B0375-10

Sample Matrix: Drinking Water

Metals Analyses (Total)

Analyte	Results	RL	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
			MA	ORSG					Prepared	Analyzed	
Copper	23	1.0	1300		µg/L	1	EPA 200.8	2/15/19	2/15/19 11:47	MJH	
Lead	0.57	0.50	15		µg/L	1	EPA 200.8	2/15/19	2/15/19 11:47	MJH	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 466 Stony Hill Road, Wilbraham,

Sample Description: Lower Academic Hallway South full si

Work Order: 19B0375

Date Received: 2/8/2019

Field Sample #: 024P

Sampled: 2/8/2019 06:00

Sample ID: 19B0375-11

Sample Matrix: Drinking Water

Metals Analyses (Total)

Analyte	Results	RL	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
			MA	ORSG					Prepared	Analyzed	
Copper	690	1.0	1300		µg/L	1	EPA 200.8	2/15/19	2/15/19 12:43	MJH	
Lead	0.92	0.50	15		µg/L	1	EPA 200.8	2/15/19	2/15/19 12:43	MJH	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 466 Stony Hill Road, Wilbraham,

Sample Description: Lower Academic Hallway South full si

Work Order: 19B0375

Date Received: 2/8/2019

Field Sample #: 024F

Sampled: 2/8/2019 06:01

Sample ID: 19B0375-12

Sample Matrix: Drinking Water

Metals Analyses (Total)

Analyte	Results	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
		RL	MA ORSG							
Copper	180	1.0	1300	µg/L	1		EPA 200.8	2/15/19	2/15/19 12:57	MJH
Lead	1.0	0.50	15	µg/L	1		EPA 200.8	2/15/19	2/15/19 12:57	MJH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 466 Stony Hill Road, Wilbraham,

Sample Description: Lower Academic Hallway South half s

Work Order: 19B0375

Date Received: 2/8/2019

Field Sample #: 025P

Sampled: 2/8/2019 06:04

Sample ID: 19B0375-13

Sample Matrix: Drinking Water

Metals Analyses (Total)

Analyte	Results	RL	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
			MA ORSG						Prepared	Analyzed	
Copper	790	1.0	1300		µg/L	1	EPA 200.8	2/15/19	2/15/19 13:01	MJH	
Lead	3.2	0.50	15		µg/L	1	EPA 200.8	2/15/19	2/15/19 13:01	MJH	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 466 Stony Hill Road, Wilbraham,

Sample Description: Lower Academic Hallway South half s

Work Order: 19B0375

Date Received: 2/8/2019

Field Sample #: 025F

Sampled: 2/8/2019 06:05

Sample ID: 19B0375-14

Sample Matrix: Drinking Water

Metals Analyses (Total)

Analyte	Results	RL	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
			MA	ORSG					Prepared	Analyzed	
Copper	130	1.0	1300		µg/L	1	EPA 200.8	2/15/19	2/15/19 13:04	MJH	
Lead	0.93	0.50	15		µg/L	1	EPA 200.8	2/15/19	2/15/19 13:04	MJH	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 466 Stony Hill Road, Wilbraham,

Sample Description: Upper Academic Hallway South full si

Work Order: 19B0375

Date Received: 2/8/2019

Field Sample #: 028P

Sampled: 2/8/2019 06:12

Sample ID: 19B0375-15

Sample Matrix: Drinking Water

Metals Analyses (Total)

Analyte	Results	RL	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
			MA	ORSG					Prepared	Analyzed	
Copper	75	1.0	1300		µg/L	1	EPA 200.8	2/15/19	2/15/19 13:15	MJH	
Lead	0.76	0.50	15		µg/L	1	EPA 200.8	2/15/19	2/15/19 13:15	MJH	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 466 Stony Hill Road, Wilbraham,

Sample Description: Upper Academic Hallway South full si

Work Order: 19B0375

Date Received: 2/8/2019

Field Sample #: 028F

Sampled: 2/8/2019 06:12

Sample ID: 19B0375-16

Sample Matrix: Drinking Water

Metals Analyses (Total)

Analyte	Results	RL	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
			MA	ORSG					Prepared	Analyzed	
Copper	210	1.0	1300		µg/L	1	EPA 200.8	2/15/19	2/15/19 13:18	MJH	
Lead	0.67	0.50	15		µg/L	1	EPA 200.8	2/15/19	2/15/19 13:18	MJH	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 466 Stony Hill Road, Wilbraham,

Sample Description: Upper Academic Hallway South half si

Work Order: 19B0375

Date Received: 2/8/2019

Field Sample #: 029P

Sampled: 2/8/2019 06:16

Sample ID: 19B0375-17

Sample Matrix: Drinking Water

Metals Analyses (Total)

Analyte	Results	RL	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
			MA	ORSG					Prepared	Analyzed	
Copper	60	1.0	1300		µg/L	1	EPA 200.8	2/15/19	2/15/19 13:22	MJH	
Lead	1.0	0.50	15		µg/L	1	EPA 200.8	2/15/19	2/15/19 13:22	MJH	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 466 Stony Hill Road, Wilbraham,

Sample Description: Upper Academic Hallway South half si

Work Order: 19B0375

Date Received: 2/8/2019

Field Sample #: 029F

Sampled: 2/8/2019 06:16

Sample ID: 19B0375-18

Sample Matrix: Drinking Water

Metals Analyses (Total)

Analyte	Results	RL	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
			MA	ORSG					Prepared	Analyzed	
Copper	48	1.0	1300		µg/L	1	EPA 200.8	2/15/19	2/15/19 13:25	MJH	
Lead	0.62	0.50	15		µg/L	1	EPA 200.8	2/15/19	2/15/19 13:25	MJH	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 466 Stony Hill Road, Wilbraham,

Sample Description: Cafeteria Water Cooler South

Work Order: 19B0375

Date Received: 2/8/2019

Field Sample #: 033P

Sampled: 2/8/2019 05:28

Sample ID: 19B0375-19

Sample Matrix: Drinking Water

Metals Analyses (Total)

Analyte	Results	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
		RL	MA ORSG							
Copper	920	1.0	1300	µg/L	1		EPA 200.8	2/15/19	2/15/19 13:29	MJH
Lead	ND	0.50	15	µg/L	1		EPA 200.8	2/15/19	2/15/19 13:29	MJH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 466 Stony Hill Road, Wilbraham,

Sample Description: Cafeteria Water Cooler South

Work Order: 19B0375

Date Received: 2/8/2019

Field Sample #: 033F

Sampled: 2/8/2019 05:28

Sample ID: 19B0375-20

Sample Matrix: Drinking Water

Metals Analyses (Total)

Analyte	Results	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
		RL	MA ORSG							
Copper	540	1.0	1300	µg/L	1		EPA 200.8	2/15/19	2/15/19 13:32	MJH
Lead	ND	0.50	15	µg/L	1		EPA 200.8	2/15/19	2/15/19 13:32	MJH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 466 Stony Hill Road, Wilbraham,

Sample Description: Cafeteria Water Cooler South Bottle Fi

Work Order: 19B0375

Date Received: 2/8/2019

Field Sample #: 034P

Sampled: 2/8/2019 05:31

Sample ID: 19B0375-21

Sample Matrix: Drinking Water

Metals Analyses (Total)

Analyte	Results	RL	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
			MA	ORSG					Prepared	Analyzed	
Copper	560	1.0	1300		µg/L	1	MS-19	EPA 200.8	2/15/19	2/15/19 12:54	MJH
Lead	ND	0.50	15		µg/L	1		EPA 200.8	2/15/19	2/15/19 12:54	MJH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data**Prep Method: EPA 200.8-EPA 200.8**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
19B0375-01 [009P]	B223678	10.0	10.0	02/15/19
19B0375-02 [009F]	B223678	10.0	10.0	02/15/19
19B0375-03 [011P]	B223678	10.0	10.0	02/15/19
19B0375-04 [011F]	B223678	10.0	10.0	02/15/19
19B0375-05 [018P]	B223678	10.0	10.0	02/15/19
19B0375-06 [018F]	B223678	10.0	10.0	02/15/19
19B0375-07 [019P]	B223678	10.0	10.0	02/15/19
19B0375-08 [019F]	B223678	10.0	10.0	02/15/19
19B0375-09 [023P]	B223678	10.0	10.0	02/15/19
19B0375-10 [023F]	B223678	10.0	10.0	02/15/19

Prep Method: EPA 200.8-EPA 200.8

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
19B0375-11 [024P]	B223679	10.0	10.0	02/15/19
19B0375-12 [024F]	B223679	10.0	10.0	02/15/19
19B0375-13 [025P]	B223679	10.0	10.0	02/15/19
19B0375-14 [025F]	B223679	10.0	10.0	02/15/19
19B0375-15 [028P]	B223679	10.0	10.0	02/15/19
19B0375-16 [028F]	B223679	10.0	10.0	02/15/19
19B0375-17 [029P]	B223679	10.0	10.0	02/15/19
19B0375-18 [029F]	B223679	10.0	10.0	02/15/19
19B0375-19 [033P]	B223679	10.0	10.0	02/15/19
19B0375-20 [033F]	B223679	10.0	10.0	02/15/19
19B0375-21 [034P]	B223679	10.0	10.0	02/15/19

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B223678 - EPA 200.8										
Blank (B223678-BLK1)										
Prepared & Analyzed: 02/15/19										
Copper	ND	1.0	µg/L							
Lead	ND	0.50	µg/L							
LCS (B223678-BS1)										
Prepared & Analyzed: 02/15/19										
Copper	39.7	1.0	µg/L	40.0		99.4	85-115			
Lead	41.7	0.50	µg/L	40.0		104	85-115			
Duplicate (B223678-DUP1)										
Source: 19B0375-01										
Prepared & Analyzed: 02/15/19										
Copper	43.3	1.0	µg/L		43.3			0.0168	20	
Lead	8.59	0.50	µg/L		8.70			1.36	20	
Matrix Spike (B223678-MS1)										
Source: 19B0375-01										
Prepared & Analyzed: 02/15/19										
Copper	67.8	1.2	µg/L	25.0	43.3	98.0	70-130			
Lead	33.4	0.62	µg/L	25.0	8.70	98.6	70-130			
Batch B223679 - EPA 200.8										
Blank (B223679-BLK1)										
Prepared & Analyzed: 02/15/19										
Copper	ND	1.0	µg/L							
Lead	ND	0.50	µg/L							
LCS (B223679-BS1)										
Prepared & Analyzed: 02/15/19										
Copper	39.8	1.0	µg/L	40.0		99.5	85-115			
Lead	41.2	0.50	µg/L	40.0		103	85-115			
Duplicate (B223679-DUP1)										
Source: 19B0375-11										
Prepared & Analyzed: 02/15/19										
Copper	688	1.0	µg/L		687			0.191	20	
Lead	0.917	0.50	µg/L		0.917			0.00643	20	
Duplicate (B223679-DUP2)										
Source: 19B0375-21										
Prepared & Analyzed: 02/15/19										
Copper	580	1.0	µg/L		563			2.87	20	
Lead	ND	0.50	µg/L		ND			NC	20	
Matrix Spike (B223679-MS1)										
Source: 19B0375-11										
Prepared & Analyzed: 02/15/19										
Copper	712	1.2	µg/L	25.0	687	101	70-130			
Lead	26.4	0.62	µg/L	25.0	0.917	102	70-130			
Matrix Spike (B223679-MS2)										
Source: 19B0375-21										
Prepared & Analyzed: 02/15/19										
Copper	603	1.2	µg/L	25.0	563	158 *	70-130			MS-19
Lead	25.5	0.62	µg/L	25.0	0.309	101	70-130			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
MS-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>EPA 200.8 in Drinking Water</i>	
Copper	NH,NY,MA,CT,RI,ME,VA,VT-DW,NC-DW
Lead	NH,NY,MA,CT,RI,ME,VA,VT-DW,NC-DW

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2020
RI	Rhode Island Department of Health	LAO00112	12/30/2019
NC	North Carolina Div. of Water Quality	652	12/31/2019
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2019
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

19B0375

MassDEP Drinking Water Lead Contamination Control Act (LCCA) Chain Of Custody

Lab Job #: _____ Report Information Data Deliverables: eDEP Upload Date Received in Lab: _____

TA Provider Information			Project Information		School/Daycare Type		
Client:	Hamden-Wilbraham		School Org Code #:	06800310	Schools	<input checked="" type="checkbox"/> Public School	
Address:	621 main st. Wilbraham, MA 01095		School Name:	Wilbraham Middle		Charter School	
Phone:	413-596-3884		School Address:	Hampden-Wilbraham: Wilbraham Middle 466 Stony Hill Rd WILBRAHAM, MA 01095		Charter Alternative Ed Program	
Fax:						Public Alternative Ed Program	
Email:	SBoyd@HPRSD.org					Special Education School	
Turn-Around Time			School Town:	WILBRAHAM	Daycares	Small Group and School Age	
Standard	<input checked="" type="checkbox"/>	Due Date:	Project Manager	Sam Boyd	Other:	Large Group and School Age	
Rush (requires pre-approval)		Time:		413-222-7369			

Other Project Specific Requirements / Comments / Detection Limits				Samplers Name		Initials		SAMPLERS INITIALS	SAMPLE MATRIX	ANALYSIS		Total Bottles	
• please post results online to the DEP LCCA program. • PO# 191345 on invoice				Sam Boyd		SB				LEAD	COPPER		FINISHED

Sample Filtration: None
 Preservation: None in field (at lab)

Lab ID (Lab Use Only)	Location Code **	Location Type 1	Flush Time 2	Location Name	Collection Date and Time	Initials	DW	X	X	X	Total Bottles
1	009P	OT	—	Office Breakroom	2/4/19 6:25	SB	DW	X	X	X	1
2	009F	OT	30s	Office Breakroom	2/4/19 6:25	SB	DW	X	X	X	1
	010P	NS		Nurse Station sink			DW	X	X	X	1
	010F	NS		Nurse Station sink			DW	X	X	X	1
3	011P	WC	—	Cooler main lobby	2/8/19 5:35	SB	DW	X	X	X	1
4	011F	WC	30s	Cooler main lobby	2/8/19 5:36	SB	DW	X	X	X	1
	014P	DW		Girls locker room			DW	X	X	X	1
	014F	DW		Girls locker room			DW	X	X	X	1
	017P	DW		Boys Locker Room (not operational)			DW	X	X	X	1
	017F	DW		Boys Locker Room (not operational)			DW	X	X	X	1
5	018P	WC	—	Auditorium Hallway cooler high	2/8/19 5:45	SB	DW	X	X	X	1
6	018F	WC	30s	Auditorium Hallway cooler high	2/8/19 5:45	SB	DW	X	X	X	1
7	019P	WC	—	Auditorium Hallway cooler low	2/8/19 5:47	SB	DW	X	X	X	1
8	019F	WC	30s	Auditorium Hallway cooler low	2/8/19 5:48	SB	DW	X	X	X	1

**Location Code Logic: Number the sites within a school Org Code sequentially, 001, 002, 003, etc.	1 Location Type: DW= drinking water bubbler WC = water cooler (chiller unit) CF = classroom faucet KC = kitchen faucet, cold KK = kitchen kettle KI = kitchen ice maker EC = home economics room, cold BF = bathroom faucet NS = nurse's office sink SC = service connector OT = Other Location	* The LCCA Project requires laboratories to report results to the MassDEP Drinking Water Program using the eDEP Bulk Upload tool. For more information about the eDEP Bulk Upload tool please visit: http://www.mass.gov/eea/agencies/massdep/service/online/water-quality-monitoring-reports-adeq-faqs.html#instructionsDEPlink	Container Code: P = Plastic Preservation Code: A = None C = HNO3 Sample Matrix Code: DW (Drinking Water)	Container Type P Preservative CA CA	Please PRINT clearly and legibly.
2 First Draw or Flush: P - First Draw F - Flush A - Sample A Kettle or Ice Maker B - Sample B Kettle or Ice Maker C - Sample C Kettle or Ice Maker D - Sample D Kettle or Ice Maker E - Sample E Kettle Flush Time: Indicate length of time flushed (30 s)	Relinquished By S. Boyd	Date/Time 2/8/19 9:55	Received By [Signature] M. SB	Date/Time 2/8/19 9:55	Page 1 of 3

LCCC revision 6/6/2016

19B0375

MassDEP Drinking Water Lead Contamination Control Act (LCCA) Chain Of Custody

Lab Job #		Report Information Data Deliverables		eDEP Upload	Date Received in Lab							
TA Provider Information			Project Information			School/Daycare Type						
Client: HURSD			School Org Code #: 06800310			<input checked="" type="checkbox"/> Public School <input type="checkbox"/> Charter School <input type="checkbox"/> Charter Alternative Ed Program <input type="checkbox"/> Public Alternative Ed Program <input type="checkbox"/> Special Education School <input type="checkbox"/> Private <input type="checkbox"/> Small Group and School Age <input type="checkbox"/> Large Group and School Age						
Address:			School Name: Wilbraham Middle									
Phone:			School Address: Hampden-Wilbraham: Wilbraham Middle 466 Stony Hill Rd WILBRAHAM, MA 01095									
Fax:												
Email:												
Turn-Around Time			School Town: WILBRAHAM			Other:						
Standard <input checked="" type="checkbox"/>		Due Date:	Project Manager: Sam Boyd									
Rush (requires pre-approval)		Time:	413-222-7369									
Other Project Specific Requirements / Comments / Detection Limits							Samplers Name		Initials		S A M P L E R S I N I T I A L S S A M P L E M A T R I X L E A D C O P P E R F I N I S H E D T o t a l B o t t l e s	
							Sam Boyd		SB			
Sample Filtration: <input checked="" type="checkbox"/> None							Sample Matrix LEAD COPPER FINISHED		Total Bottles			
Preservation: <input checked="" type="checkbox"/> None in field (at lab)												
Lab ID (Lab Use Only)	Location Code **	Location Type 1	Flush Time 2	Location Name		Collection Date and Time						
	021P	WC		Staff Lounge Hallway half sized			DW	X	X	X	1	
	021F	WC		Staff Lounge Hallway half sized			DW	X	X	X	1	
	022P	WC		Staff Lounge Hallway full sized			DW	X	X	X	1	
	022F	WC		Staff Lounge Hallway full sized			DW	X	X	X	1	
9	023P	OT		Staff Lounge		2/8/19 5:53	SB	DW	X	X	X	1
10	023F	OT	30s	Staff Lounge		2/8/19 5:53	SB	DW	X	X	X	1
11	024P	WC		Lower Academic Hallway South full sized		2/8/19 6:00	SB	DW	X	X	X	1
12	024F	WC	30s	Lower Academic Hallway South full sized		2/8/19 6:01	SB	DW	X	X	X	1
13	025P	WC		Lower Academic Hallway South half sized		2/8/19 6:04	SB	DW	X	X	X	1
14	025F	WC	30s	Lower Academic Hallway South half sized		2/8/19 6:05	SB	DW	X	X	X	1
15	028P	WC		Upper Academic Hallway South full sized		2/8/19 6:12	SB	DW	X	X	X	1
16	028F	WC	30s	Upper Academic Hallway South full sized		2/8/19 6:12	SB	DW	X	X	X	1
17	029P	WC		Upper Academic Hallway South half sized		2/8/19 6:16	SB	DW	X	X	X	1
18	029F	WC	30s	Upper Academic Hallway South half sized		2/8/19 6:16	SB	DW	X	X	X	1
**Location Code Logic: Number the sites within a school Org Code sequentially, 001, 002, 003, etc.		1 Location Type: DW= drinking water bubbler WC = water cooler (chiller unit) CF = classroom faucet KC = kitchen faucet, cold KK = kitchen kettle KI = kitchen ice maker EC = home economics room, cold BF = bathroom faucet NS = nurse's office sink SC = service connector OT = Other Location		* The LCCA Project requires laboratories to report results to the MassDEP Drinking Water Program using the eDEP Bulk Upload tool. For more information about the eDEP Bulk Upload tool please visit: http://www.mass.gov/eea/agencies/massdep/service/online/water-quality-monitoring-reports-edep-faqs.html#instructionsDEPlink			Container Code: P = Plastic Preservation Code: A = None C = HNO3 Sample Matrix Code: DW (Drinking Water)		Container Type P Preservative CX CA		Please PRINT clearly and legibly. Page 2 of 3	
3 First Draw or Flush: P- First Draw F - Flush A - Sample A Kettle or Ice Maker B - Sample B Kettle or Ice Maker C - Sample C Kettle or Ice Maker D - Sample D Kettle or Ice Maker E - Sample E Kettle Flush Time: Indicate length of time flushed (30 s)				Relinquished By S. Boyd		Date/Time 2/8/19 9:55		Received By M. 198		Date/Time 2/8/19 9:55		
LCCC revision 6/6/2016												

19B0375

MassDEP Drinking Water Lead Contamination Control Act (LCCA) Chain Of Custody

Lab Job #:	Report Information Data Deliverables: eDEP Upload	Date Received in Lab:
------------	---	-----------------------

TA Provider Information			Project Information		School/Daycare Type		
Client:	HW RSD		School Org Code #:	06800310	Schools	<input checked="" type="checkbox"/> Public School	
Address:			School Name:	Wilbraham Middle		<input type="checkbox"/> Charter School	
Phone:			School Address:	Hampden-Wilbraham: Wilbraham Middle 466 Stony Hill Rd WILBRAHAM, MA 01095		<input type="checkbox"/> Charter Alternative Ed Program	
Fax:						<input type="checkbox"/> Public Alternative Ed Program	
Email:						<input type="checkbox"/> Special Education School	
Turn-Around Time			School Town:	WILBRAHAM	Daycares	<input type="checkbox"/> Small Group and School Age	
Standard	<input checked="" type="checkbox"/>	Due Date:	Project Manager	Sam Boyd		<input type="checkbox"/> Large Group and School Age	
Rush (requires pre-approval)		Time:	413-222-7369		Other:		
Other Project Specific Requirements / Comments / Detection Limits							

Other Project Specific Requirements / Comments / Detection Limits	Samplers Name	Initials	SAMPLERS INITIALS	SAMPLE MATRIX	ANALYSIS		FINISHED	Total Bottles
					LEAD	COPPER		
	Sam Boyd	SB						

Sample Filtration:	<input checked="" type="checkbox"/>	None
Preservation:	<input checked="" type="checkbox"/>	None in field (at lab)

Lab ID (Lab Use Only)	Location Code **	Location Type 1	Flush Time 2	Location Name	Collection Date and Time	SAMPLERS INITIALS	SAMPLE MATRIX	LEAD	COPPER	FINISHED	Total Bottles
	032P	KC		Kitchen Pot Filter			DW	X	X	X	1
	032F	KC		Kitchen Pot Filter			DW	X	X	X	1
19	033P	WC		Cafeteria Water Cooler South	2/8/19 5:28	SB	DW	X	X	X	1
20	033F	WC	30s	Cafeteria Water Cooler South	2/8/19 5:28	SB	DW	X	X	X	1
21	034P	WC		Cafeteria Water Cooler South Bottle Filler	2/8/19 5:28	SB	DW	X	X	X	1
	035P	WC		Water Cooler Nurse's Hallway			DW	X	X	X	1
	035F	WC		Water Cooler Nurse's Hallway			DW	X	X	X	1
	036P	WC		Water Cooler Nurse's Hallway Bottle Filler			DW	X	X	X	1
	037P	WC		Water Cooler Girls' Locker Room Hallway ADA			DW	X	X	X	1
	037F	WC		Water Cooler Girls' Locker Room Hallway ADA			DW	X	X	X	1
	038P	WC		Water Cooler Girls' Locker Room Hallway High Unit			DW	X	X	X	1
	039P	WC		Water Cooler Girls' Locker Room Hallway Bottle Filler			DW	X	X	X	1
	040P	WC		Water Cooler Boys' Locker Room Hallway ADA unit			DW	X	X	X	1
	040F	WC		Water Cooler Boys' Locker Room Hallway ADA unit			DW	X	X	X	1

<p>**Location Code Logic: Number the sites within a school Org Code sequentially, 001, 002, 003, etc.</p> <p>1 Location Type: DW = drinking water bubbler WC = water cooler (chiller unit) CF = classroom faucet KC = kitchen faucet, cold KK = kitchen Kettle KI = kitchen ice maker EC = home economics room, cold BF = bathroom faucet NS = nurse's office sink SC = service connector OT = Other Location</p> <p>3 First Draw or Flush: P - First Draw F - Flush A - Sample A Kettle or Ice Maker B - Sample B Kettle or Ice Maker C - Sample C Kettle or Ice Maker D - Sample D Kettle or Ice Maker E - Sample E Kettle</p> <p>Flush Time: Indicate length of time flushed (30 s)</p>	<p>* The LCCA Project requires laboratories to report results to the MassDEP Drinking Water Program using the eDEP Bulk Upload tool. For more information about the eDEP Bulk Upload tool please visit: http://www.mass.gov/eea/agencies/massdep/service/online/water-quality-monitoring-reports-edep-faqs.html#instructionsDEPlink</p> <p>Container Code: P = Plastic Preservation Code: A = None C = HNO3 Sample Matrix Code: DW (Drinking Water)</p>	<p>Container Type</p> <p>Preservative</p>	<p>P</p> <p>P</p> <p>CA</p> <p>CA</p>	<p>Relinquished By</p> <p>Date/Time</p> <p>Received By</p> <p>Date/Time</p>	<p>5. Boyd</p> <p>2/8/19 9:05</p> <p>Wp SB</p> <p>2/8/19 9:55</p>	<p>Please PRINT clearly and legibly.</p> <p>Page 3 of 3</p>
--	---	---	---------------------------------------	---	---	---

LCCC revision 6/6/2016

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples _____



con-test
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Mass Dep Hampden - Wilbraham

Received By RAP Date 2/8/19 Time 9:55

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
 Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 14.1
 By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NA
 Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T
 Did COC include all pertinent Information? Client T Analysis T Sampler Name T
 Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? _____
 Are there Rushes? F Who was notified? _____
 Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

Is there Headspace where applicable? F MS/MSD? F
 Proper Media/Containers Used? T Is splitting samples required? F
 Were trip blanks received? F On COC? F

Do all samples have the proper pH? Acid PH2 Base _____

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Flashpoint		Col./Bacteria	2oz Amb/Clear
DI-		Other Glass		Other Plastic	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Unused Media

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Comments: