Engineering Surveys & Services
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1113 Fay Street
Columbia, MO 65201
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COLUMBIA PUBLIC SCHOOLS
COLUMBIA, MO
LEAD AND COPPER MONITORING
SUMMARY REPORT

DATE: JANUARY 6, 2022

FACILITY NAME: **PAXTON KEELEY ELEMENTARY SCHOOL**

A. SAMPLE COLLECTION

1. NUMBER OF SAMPLES COLLECTED AT THIS FACILITY 51

2. PERCENTAGE OF SAMPLES BELOW COPPER ACTION LIMITS 100.0%
   1. COPPER ACTION LIMIT = 1,300 UG/

3. PERCENTAGE OF SAMPLES BELOW LEAD ACTION LIMITS 100.0%
   1. LEAD ACTION LIMIT = 15 UG/L
      (The requirement in the USEPA Lead and Copper Rule for public water supplies is 90% passing)

B. SAMPLE EXCEEDANCE

1. NUMBER OF SAMPLES EXCEEDING COPPER ACTION LIMIT 0
2. NUMBER OF SAMPLES EXCEEDING LEAD ACTION LIMIT 0

C. CONCLUSION

This facility meets the (recommended) requirements of the United States Environmental Protection Agency (USEPA) and the published Lead and Copper Rule (LCR) of 1991 (reference: 40 CFR Part 141 Subpart I). Public Run Water Suppliers must comply with the USEPA law and the LCR. Columbia Water & Light is the publicly run water utility that serves this school.

Initially failed tests were resampled using the first flush method and tested for verification. Should the laboratory analysis reveal results that exceed the LCR action limits, you can utilize the recommendations within the LCR to address those specific locations. They include but are not limited to: flushing prior to use (make it a practice to run the water at each tap before use), repairing and/or replacing fixtures and/or piping and by not using the water for consumption. All are recommended by the Lead and Copper Rule.

Although the Lead and Copper Rule may not directly apply to Columbia Public Schools and each of its schools or support buildings that are part of the 2020 City of Columbia Water Quality Assessment Report; it is a common practice for experts in the field and members of the known industry to use the standard as a guideline for water assessment studies.

Prepared By:

Joshua D. Lehmen, PE

August 26, 2021

Josh Lehmen
Engineering Surveys & Services
1113 Fay Street
Columbia, MO 65201

RE: L14571

Dear Josh Lehmen:

Please find enclosed the analytical results for the **51** sample(s) the laboratory received on **8/16/21 3:40 pm** and logged in under work order **EH03789**. All testing is performed according to our current TNI accreditations unless otherwise noted. This report cannot be reproduced, except in full, without the written permission of PDC Laboratories, Inc.

If you have any questions regarding your report, please contact your project manager. Quality and timely data is of the utmost importance to us.

PDC Laboratories, Inc. appreciates the opportunity to provide you with analytical expertise. We are always trying to improve our customer service and we welcome you to contact the Director of Client Services, Lisa Grant, with any feedback you have about your experience with our laboratory at 309-683-1764 or lgrant@pdclab.com.

Sincerely,

Erin Lane
Project Manager

SAMPLE RECEIPT CHECK LIST

Items not applicable will be marked as in compliance

Work Order EH03789

YES	Samples received within temperature compliance when applicable
YES	COC present upon sample receipt
NO	COC completed & legible
NO	Sampler name & signature present
YES	Unique sample IDs assigned
YES	Sample collection location recorded
YES	Date & time collected recorded on COC
YES	Relinquished by client signature on COC
YES	COC & labels match
YES	Sample labels are legible
YES	Appropriate bottle(s) received
YES	Sufficient sample volume received
YES	Sample containers received undamaged
NO	Zero headspace, <6 mm present in VOA vials
NO	Trip blank(s) received
YES	All non-field analyses received within holding times
NO	Short hold time analysis
YES	Current PDC COC submitted
NO	Case narrative provided

ANALYTICAL RESULTS

Sample: EH03789-01
Name: 1. Kitchen
Alias: PAX-KF-1
Sampled: 08/13/21 06:13
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	190	ug/L		1300	08/25/21 10:32	KMC	EPA 200.8 REV 5.4
Lead	1.6	ug/L		15	08/25/21 10:32	KMC	EPA 200.8 REV 5.4

Sample: EH03789-02
Name: 2. Kitchen
Alias: PAX-KF-2
Sampled: 08/13/21 06:13
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	210	ug/L		1300	08/25/21 10:33	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 10:33	KMC	EPA 200.8 REV 5.4

Sample: EH03789-03
Name: 3. Kitchen
Alias: PAX-KF-3
Sampled: 08/13/21 06:13
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	250	ug/L		1300	08/25/21 10:35	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 10:35	KMC	EPA 200.8 REV 5.4

Sample: EH03789-04
Name: 4. Hall by Lobby
Alias: PAX-EWC-1
Sampled: 08/13/21 06:13
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	180	ug/L		1300	08/25/21 10:36	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 10:36	KMC	EPA 200.8 REV 5.4

ANALYTICAL RESULTS

Sample: EH03789-05 **Sampled:** 08/13/21 06:17
Name: 5. Hall by 124 **Received:** 08/16/21 15:40
Alias: PAX-124-EWC-2 **Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	300	ug/L		1300	08/25/21 10:44	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 10:44	KMC	EPA 200.8 REV 5.4

Sample: EH03789-06 **Sampled:** 08/13/21 06:19
Name: 6. Hall by Gym **Received:** 08/16/21 15:40
Alias: PAX-EWC-3 **Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	270	ug/L		1300	08/25/21 10:46	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 10:46	KMC	EPA 200.8 REV 5.4

Sample: EH03789-07 **Sampled:** 08/13/21 06:25
Name: 7. Hall by 118 **Received:** 08/16/21 15:40
Alias: PAX-118-EWC-4 **Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	110	ug/L		1300	08/25/21 10:47	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 10:47	KMC	EPA 200.8 REV 5.4

Sample: EH03789-08 **Sampled:** 08/13/21 06:30
Name: 8. Hall by 112 **Received:** 08/16/21 15:40
Alias: PAX-112-EWC-5 **Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	160	ug/L		1300	08/25/21 10:49	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 10:49	KMC	EPA 200.8 REV 5.4

ANALYTICAL RESULTS

Sample: EH03789-09 **Sampled:** 08/13/21 07:04
Name: 9. Teachers Lounge **Received:** 08/16/21 15:40
Alias: PAX-TLF-1 **Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	210	ug/L		1300	08/25/21 10:50	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 10:50	KMC	EPA 200.8 REV 5.4

Sample: EH03789-10 **Sampled:** 08/13/21 07:05
Name: 10. Nurses Office **Received:** 08/16/21 15:40
Alias: PAX-NSF-1 **Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	150	ug/L		1300	08/25/21 10:52	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 10:52	KMC	EPA 200.8 REV 5.4

Sample: EH03789-11 **Sampled:** 08/13/21 06:34
Name: 11. Hall by 109 **Received:** 08/16/21 15:40
Alias: PAX-H109-EWC-6 **Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	190	ug/L		1300	08/25/21 10:53	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 10:53	KMC	EPA 200.8 REV 5.4

Sample: EH03789-12 **Sampled:** 08/13/21 07:11
Name: 12. Hall by 103 **Received:** 08/16/21 15:40
Alias: PAX-H103-EWC-7 **Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	150	ug/L		1300	08/25/21 10:55	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 10:55	KMC	EPA 200.8 REV 5.4

ANALYTICAL RESULTS

Sample: EH03789-13
Name: 13. Hall by 203
Alias: PAX-H203-EWC-8
Sampled: 08/13/21 06:58
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	89	ug/L		1300	08/25/21 11:03	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 11:03	KMC	EPA 200.8 REV 5.4

Sample: EH03789-14
Name: 14. Hall by 207
Alias: PAX-H207-EWC-9
Sampled: 08/13/21 06:47
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	120	ug/L		1300	08/25/21 11:04	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 11:04	KMC	EPA 200.8 REV 5.4

Sample: EH03789-15
Name: 15. Hall by 214
Alias: PAX-H214-EWC-10
Sampled: 08/13/21 06:58
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	160	ug/L		1300	08/25/21 11:06	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 11:06	KMC	EPA 200.8 REV 5.4

Sample: EH03789-16
Name: 16. Room 109
Alias: PAX-109-CF-1
Sampled: 08/13/21 06:35
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	170	ug/L		1300	08/25/21 11:07	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 11:07	KMC	EPA 200.8 REV 5.4

ANALYTICAL RESULTS

Sample: EH03789-17
Name: 17. Room 110
Alias: PAX-110-CF-2
Sampled: 08/13/21 06:35
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	200	ug/L		1300	08/25/21 11:09	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 11:09	KMC	EPA 200.8 REV 5.4

Sample: EH03789-18
Name: 18. Room 108
Alias: PAX-108-CF-3
Sampled: 08/13/21 06:34
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	180	ug/L		1300	08/25/21 11:10	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 11:10	KMC	EPA 200.8 REV 5.4

Sample: EH03789-19
Name: 19. Room 107
Alias: PAX-107-CF-4
Sampled: 08/13/21 06:32
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	190	ug/L		1300	08/25/21 11:12	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 11:12	KMC	EPA 200.8 REV 5.4

Sample: EH03789-20
Name: 20. Room 106
Alias: PAX-106-CF-5
Sampled: 08/13/21 06:32
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	200	ug/L		1300	08/25/21 11:14	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 11:14	KMC	EPA 200.8 REV 5.4

ANALYTICAL RESULTS

Sample: EH03789-21
Name: 21. Room 112
Alias: PAX-112-CF-6
Sampled: 08/13/21 06:30
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	220	ug/L		1300	08/25/21 11:21	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 11:21	KMC	EPA 200.8 REV 5.4

Sample: EH03789-22
Name: 22. Room 121
Alias: PAX-121-CF-7
Sampled: 08/13/21 06:27
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	180	ug/L		1300	08/25/21 11:23	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 11:23	KMC	EPA 200.8 REV 5.4

Sample: EH03789-23
Name: 23. Room 120
Alias: PAX-120-CF-8
Sampled: 08/13/21 06:27
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	160	ug/L		1300	08/25/21 11:24	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 11:24	KMC	EPA 200.8 REV 5.4

Sample: EH03789-24
Name: 24. Room 119
Alias: PAX-119-CF-9
Sampled: 08/13/21 06:25
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	170	ug/L		1300	08/25/21 11:26	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 11:26	KMC	EPA 200.8 REV 5.4

ANALYTICAL RESULTS

Sample: EH03789-25
Name: 25. Room 118
Alias: PAX-118-CF-10
Sampled: 08/13/21 06:23
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	170	ug/L		1300	08/25/21 11:28	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 11:28	KMC	EPA 200.8 REV 5.4

Sample: EH03789-26
Name: 26. Room 117
Alias: PAX-117-CF-11
Sampled: 08/13/21 06:21
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	210	ug/L		1300	08/25/21 11:29	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 11:29	KMC	EPA 200.8 REV 5.4

Sample: EH03789-27
Name: 27. Room 116
Alias: PAX-116-CF-12
Sampled: 08/13/21 06:20
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	270	ug/L		1300	08/25/21 11:31	KMC	EPA 200.8 REV 5.4
Lead	1.1	ug/L		15	08/25/21 11:31	KMC	EPA 200.8 REV 5.4

Sample: EH03789-28
Name: 28. Room 122
Alias: PAX-122-CF-13
Sampled: 08/13/21 06:19
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	130	ug/L		1300	08/25/21 11:32	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 11:32	KMC	EPA 200.8 REV 5.4

ANALYTICAL RESULTS

Sample: EH03789-29 **Sampled:** 08/13/21 07:12
Name: 29. Room 100 **Received:** 08/16/21 15:40
Alias: PAX-100-CF-14 **Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	190	ug/L		1300	08/25/21 11:40	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 11:40	KMC	EPA 200.8 REV 5.4

Sample: EH03789-30 **Sampled:** 08/13/21 07:12
Name: 30. Room 101 **Received:** 08/16/21 15:40
Alias: PAX-101-CF-15 **Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	240	ug/L		1300	08/25/21 11:42	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 11:42	KMC	EPA 200.8 REV 5.4

Sample: EH03789-31 **Sampled:** 08/13/21 07:10
Name: 31. Room 102 **Received:** 08/16/21 15:40
Alias: PAX-102-CF-16 **Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	200	ug/L		1300	08/25/21 11:43	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 11:43	KMC	EPA 200.8 REV 5.4

Sample: EH03789-32 **Sampled:** 08/13/21 07:10
Name: 32. Room 103 **Received:** 08/16/21 15:40
Alias: PAX-103-CF-17 **Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	450	ug/L		1300	08/25/21 11:45	KMC	EPA 200.8 REV 5.4
Lead	4.5	ug/L		15	08/25/21 11:45	KMC	EPA 200.8 REV 5.4

ANALYTICAL RESULTS

Sample: EH03789-33
Name: 33. Room 104
Alias: PAX-104-CF-18
Sampled: 08/13/21 07:08
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	230	ug/L		1300	08/25/21 11:46	KMC	EPA 200.8 REV 5.4
Lead	1.7	ug/L		15	08/25/21 11:46	KMC	EPA 200.8 REV 5.4

Sample: EH03789-34
Name: 34. Room 105
Alias: PAX-105-CF-19
Sampled: 08/13/21 07:08
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	630	ug/L		1300	08/25/21 11:48	KMC	EPA 200.8 REV 5.4
Lead	1.1	ug/L		15	08/25/21 11:48	KMC	EPA 200.8 REV 5.4

Sample: EH03789-35
Name: 35. Room 200
Alias: PAX-200-CF-20
Sampled: 08/13/21 06:43
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	200	ug/L		1300	08/25/21 11:49	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 11:49	KMC	EPA 200.8 REV 5.4

Sample: EH03789-36
Name: 36. Room 201
Alias: PAX-201-CF-21
Sampled: 08/13/21 06:42
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	190	ug/L		1300	08/25/21 11:51	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 11:51	KMC	EPA 200.8 REV 5.4

ANALYTICAL RESULTS

Sample: EH03789-37
Name: 37. Room 202
Alias: PAX-202-CF-22
Sampled: 08/13/21 06:42
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	180	ug/L		1300	08/25/21 12:04	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 12:04	KMC	EPA 200.8 REV 5.4

Sample: EH03789-38
Name: 38. Room 203
Alias: PAX-203-CF-23
Sampled: 08/13/21 06:41
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	160	ug/L		1300	08/25/21 12:05	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 12:05	KMC	EPA 200.8 REV 5.4

Sample: EH03789-39
Name: 39. Room 204
Alias: PAX-204-CF-24
Sampled: 08/13/21 06:41
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	190	ug/L		1300	08/25/21 12:07	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 12:07	KMC	EPA 200.8 REV 5.4

Sample: EH03789-40
Name: 40. Room 206
Alias: PAX-206-CF-25
Sampled: 08/13/21 06:45
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	330	ug/L		1300	08/25/21 12:09	KMC	EPA 200.8 REV 5.4
Lead	1.6	ug/L		15	08/25/21 12:09	KMC	EPA 200.8 REV 5.4

ANALYTICAL RESULTS

Sample: EH03789-41
Name: 41. Room 207
Alias: PAX-207-CF-26
Sampled: 08/13/21 06:45
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	200	ug/L		1300	08/25/21 12:10	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 12:10	KMC	EPA 200.8 REV 5.4

Sample: EH03789-42
Name: 42. Room 208
Alias: PAX-208-CF-27
Sampled: 08/13/21 06:47
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	170	ug/L		1300	08/25/21 12:12	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 12:12	KMC	EPA 200.8 REV 5.4

Sample: EH03789-43
Name: 43. Room 209
Alias: PAX-209-CF-28
Sampled: 08/13/21 06:48
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	170	ug/L		1300	08/25/21 12:13	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 12:13	KMC	EPA 200.8 REV 5.4

Sample: EH03789-44
Name: 44. Room 210
Alias: PAX-210-CF-29
Sampled: 08/13/21 06:48
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	160	ug/L		1300	08/25/21 12:15	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 12:15	KMC	EPA 200.8 REV 5.4

ANALYTICAL RESULTS

Sample: EH03789-45
Name: 45. Room 211
Alias: PAX-211-CF-30
Sampled: 08/13/21 06:49
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	220	ug/L		1300	08/25/21 12:28	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 12:28	KMC	EPA 200.8 REV 5.4

Sample: EH03789-46
Name: 46. Room 212
Alias: PAX-212-CF-31
Sampled: 08/13/21 06:50
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	330	ug/L		1300	08/25/21 12:30	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 12:30	KMC	EPA 200.8 REV 5.4

Sample: EH03789-47
Name: 47. Room 217
Alias: PAX-217-CF-32
Sampled: 08/13/21 06:54
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	230	ug/L		1300	08/25/21 12:31	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 12:31	KMC	EPA 200.8 REV 5.4

Sample: EH03789-48
Name: 48. Room 216
Alias: PAX-216-CF-33
Sampled: 08/13/21 06:53
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	260	ug/L		1300	08/25/21 12:33	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 12:33	KMC	EPA 200.8 REV 5.4

ANALYTICAL RESULTS

Sample: EH03789-49
Name: 49. Room 215
Alias: PAX-215-CF-34
Sampled: 08/13/21 06:52
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	170	ug/L		1300	08/25/21 12:34	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 12:34	KMC	EPA 200.8 REV 5.4

Sample: EH03789-50
Name: 50. Room 214
Alias: PAX-214-CF-35
Sampled: 08/13/21 06:51
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	180	ug/L		1300	08/25/21 12:36	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 12:36	KMC	EPA 200.8 REV 5.4

Sample: EH03789-51
Name: 51. Room 213
Alias: PAX-213-CF-36
Sampled: 08/13/21 06:51
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	170	ug/L		1300	08/25/21 12:38	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 12:38	KMC	EPA 200.8 REV 5.4

NOTES

Specifications regarding method revisions and method modifications used for analysis are available upon request. Please contact your project manager.

* Not a TNI accredited analyte

Certifications

CHI - McHenry, IL - 4314-A W. Crystal Lake Road, McHenry, IL 60050
TNI Accreditation for Drinking Water and Wastewater Fields of Testing through IL EPA Accreditation No. 100279
Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17556

PIA - Peoria, IL - 2231 W. Altorfer Drive, Peoria, IL 61615
TNI Accreditation for Drinking Water, Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. 100230
Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17553
Drinking Water Certifications/Accreditations: Iowa (240); Kansas (E-10338); Missouri (870)
Wastewater Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)
Solid and Hazardous Material Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

SPMO - Springfield, MO - 1805 W Sunset Street, Springfield, MO 65807
USEPA DMR-QA Program

STL - Hazelwood, MO - 944 Anglum Rd, Hazelwood, MO 63042
TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through KS KDHE Certification No. E-10389
TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. - 200080
Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory, Registry No. 171050
Missouri Department of Natural Resources - Certificate of Approval for Microbiological Laboratory Service - No. 1050

Certified by: Erin Lane, Project Manager

PDC LABORATORIES, INC.
WWW.PDCLAB.COM

REGULATORY PROGRAM (CIRCLE):	NPDES
MORBCA	RCRA
CCDD	TACO: RES OR IND/COMM

CHAIN OF CUSTODY RECORD

STATE WHERE SAMPLE COLLECTED_____

ALL HIGHLIGHTED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT)

(1) CLIENT	PROJECT NUMBER	PROJECT LOCATION	PURCHASE ORDER #
E$HS			
ADDRESS	PHONE NUMBER	E-MAIL	DATE SHIPPED
			8-13-21
CITY / STATE / ZIP	SAMPLER (PLEASE PRINT)		MATRIX TYPES: WW- WASTEWATER, DW- DRINKING WATER, GW- GROUND WATER, WWSL- SLUDGE, NAS- NON AQUEOUS SOLID, LCHT-LEACHATE, OIL-OIL, SO-SOIL, SOL-SOLID
CONTACT PERSON	SAMPLER'S SIGNATURE		

(3) ANALYSIS REQUESTED: Copper Lead

(4) (FOR LAB USE ONLY)
LOGIN # GH03789
LOGGED BY:
CLIENT:
PROJECT:
PROJ. MGR.:
CUSTODY SEAL #:

(2) SAMPLE DESCRIPTION (UNIQUE DESCRIPTION AS IT WILL APPEAR ON THE ANALYTICAL REPORT)	DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	SAMPLE TYPE COMP	MATRIX TYPE	BOTTLE COUNT	PRES CODE CLIENT PROVIDED	REMARKS
Paxton Headley Elementary School								

CHEMICAL PRESERVATION CODES:	1 – HCL	2 – H2SO4	3 – HNO3	4 – NAOH	5 – NA2S2O3	6 – UNPRESERVED	7 – OTHER

(5) TURNAROUND TIME REQUESTED (PLEASE CIRCLE) NORMAL RUSH
(RUSH TAT IS SUBJECT TO PDC LABS APPROVAL AND SURCHARGE)
RUSH RESULTS VIA (PLEASE CIRCLE) EMAIL PHONE
EMAIL IF DIFFERENT FROM ABOVE: PHONE # IF DIFFERENT FROM ABOVE:
DATE RESULTS NEEDED

(6) *I understand that by initialing this box I give the lab permission to proceed with analysis, even though it may not meet all sample conformance requirements as defined in the receiving facility's Sample Acceptance Policy and the data will be qualified. Qualified data may NOT be acceptable to report to all regulatory authorities.*
PROCEED WITH ANALYSIS AND QUALIFY RESULTS: (INITIALS) _____

(7) RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
	8-13-21	10:30 Am.		8-13-21	12:27
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
				8/16/21	1540

(8) COMMENTS: (FOR LAB USE ONLY)

SAMPLE TEMPERATURE UPON RECEIPT 20.1 °C
CHILL PROCESS STARTED PRIOR TO RECEIPT Y OR N
SAMPLE(S) RECEIVED ON ICE Y OR N
SAMPLE ACCEPTANCE NONCONFORMANT REPORT IS NEEDED Y OR N
DATE AND TIME TAKEN FROM SAMPLE BOTTLE Yes

Location:	Paxton Keeley Elementary School
Sample Date:	8/13/2021
Sample Time:	Various
Sampled By:	Josh Lehmen & Kyle Vidusic

Sample No.	Coding System	Description	Sample Collected
1	PAX-KF-1	Kitchen Faucet - North	Yes
2	PAX-KF-2	Kitchen Faucet - Southeast	Yes
3	PAX-KF-3	Kitchen Faucet - Southwest	Yes
4	PAX-EWC-1	Hall By Lobby - Electric Water Cooler	Yes
5	PAX-H124-EWC-2	Hall by 124 - Electric Water Cooler	Yes
6	PAX-GYM-EWC-3	Halll by Gym - Electric Water Cooler	Yes
7	PAX-H118-EWC-4	Hall By 118 - Electric Water Cooler	Yes
8	PAX-H112-EWC-5	Hall By 112 - Electric Water Cooler	Yes
9	PAX-TLF-1	Teachers Lounge Faucet	Yes
10	PAX-NSF-1	Nurses Station Faucet	Yes
11	PAX-H109-EWC-6	Hall By 109 - Electric Water Cooler	Yes
12	PAX-H103-EWC-7	Hall By 103 - Electric Water Cooler	Yes
13	PAX-H203-EWC-8	Hall by 203 - Electric Water Cooler	Yes
14	PAX-H207-EWC-9	Hall by 207 - Electric Water Cooler	Yes
15	PAX-H214-EWC-10	Hall by 214 - Electric Water Cooler	Yes
16	PAX-109-CF-1	Room 109 - Classroom Faucet	Yes
17	PAX-110-CF-2	Room 110 - Classroom Faucet	Yes
18	PAX-108-CF-3	Room 108 - Classroom Faucet	Yes
19	PAX-107-CF-4	Room 107 - Classroom Faucet	Yes
20	PAX-106-CF-5	Room 106 - Classroom Faucet	Yes
21	PAX-112-CF-6	Room 112 - Classroom Faucet	Yes
22	PAX-121-CF-7	Room 121 - Classroom Faucet	Yes
23	PAX-120-CF-8	Room 120 - Classroom Faucet	Yes
24	PAX-119-CF-9	Room 119 - Classroom Faucet	Yes
25	PAX-118-CF-10	Room 118 - Classroom Faucet	Yes
26	PAX-117-CF-11	Room 117 - Classroom Faucet	Yes
27	PAX-116-CF-12	Room 116 - Classroom Faucet	Yes
28	PAX-122-CF-13	Room 122 - Classroom Faucet	Yes
29	PAX-100-CF-14	Room 100 - Classroom Faucet	Yes
30	PAX-101-CF-15	Room 101 - Classroom Faucet	Yes
31	PAX-102-CF-16	Room 102 - Classroom Faucet	Yes
32	PAX-103-CF-17	Room 103 - Classroom Faucet	Yes
33	PAX-104-CF-18	Room 104 - Classroom Faucet	Yes
34	PAX-105-CF-19	Room 105 - Classroom Faucet	Yes
35	PAX-200-CF-20	Room 200 - Classroom Faucet	Yes
36	PAX-201-CF-21	Room 201 - Classroom Faucet	Yes
37	PAX-202-CF-22	Room 202 - Classroom Faucet	Yes
38	PAX-203-CF-23	Room 203 - Classroom Faucet	Yes
39	PAX-204-CF-24	Room 204 - Classroom Faucet	Yes
40	PAX-206-CF-25	Room 206 - Classroom Faucet	Yes

41	PAX-207-CF-26	Room 207 - Classroom Faucet	Yes
42	PAX-208-CF-27	Room 208 - Classroom Faucet	Yes
43	PAX-209-CF-28	Room 209 - Classroom Faucet	Yes
44	PAX-210-CF-29	Room 210 - Classroom Faucet	Yes
45	PAX-211-CF-30	Room 211 - Classroom Faucet	Yes
46	PAX-212-CF-31	Room 212 - Classroom Faucet	Yes
47	PAX-217-CF-32	Room 217 - Classroom Faucet	Yes
48	PAX-216-CF-33	Room 216 - Classroom Faucet	Yes
49	PAX-215-CF-34	Room 215 - Classroom Faucet	Yes
50	PAX-214-CF-35	Room 214 - Classroom Faucet	Yes
51	PAX-213-CF-36	Room 213 - Classroom Faucet	Yes
52	PAX-		
53	PAX-		
54	PAX-		
55	PAX-		
56	PAX-		
57	PAX-		
58	PAX-		

Missouri Department of NATURAL RESOURCES
dnr.mo.gov
Michael L. Parson, Governor
Dru Buntin, Director

January 6, 2022

Mr. Michael Travis
Corporate Director of Quality Assurance
Pace Analytical Services, LLC – Peoria, Illinois (Lab #870)
2231 West Altorfer Drive
Peoria, IL 61615-1807

Dear Mr. Travis:

The Missouri Department of Natural Resources has received your notification that PDC Laboratories, LLC was purchased by Pace Analytical Services, LLC effective December 13, 2021 and that the new laboratory name is Pace Analytical Services, LLC –Peoria, Illinois. The Department has also received a copy of the new Environmental Laboratory Accreditation granted by the State of Illinois with your new laboratory name. Therefore, the Department hereby reciprocally certifies Pace Analytical Services, LLC – Peoria, Illinois under the provisions of the Missouri Safe Drinking Water Regulations to perform chemical analyses for public water systems in the State of Missouri.

Enclosed please find a certificate of approval and a certified parameter list for your laboratory. The certified parameter list references the parameters and methods of analysis that the Deparmtent has approved. Your certification will expire on June 30, 2022, and is contingent upon no changes of the approved methods or equipment and maintenance of certification from the primary certification authority.

Thank you for your efforts to comply with Missouri's laboratory certification requirements. Should there be any changes to your Illinois certification status, please notify this office within 30 days. Direct any notifications or inquiries related to the approval to Lauren Ferland of my staff, who may be reached at P.O. Box 176, Jefferson City, MO 65102, or by telephone at 573-526-0135.

Sincerely,

WATER PROTECTION PROGRAM

David J. Lamb
Public Drinking Water Branch Chief

DJL/lf

Enclosures

c: Mr. Richard Kirsch, Environmental Services Program

MISSOURI DEPARTMENT OF NATURAL RESOURCES

DRINKING WATER LABORATORY

CERTIFIED PARAMETER LIST

This is to certify that

Pace Analytical Services, LLC - Peoria, Illinois

located at

2231 West Altorfer Drive, Peoria, Illinois 61615-1807

has been approved to perform the indicated procedures on drinking water under the Missouri Public Drinking Water Regulations (10 CSR 60-5.020). Specific method numbers or references are included in parenthesis when appropriate.

INORGANIC

SM 4500F-C
Fluoride

SM 4500NO3-F
Nitrate, Nitrite

EPA 200.7
Barium, Beryllium, Cadmium, Chromium, Copper, Nickel

EPA 200.8
Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Copper, Lead, Mercury, Nickel, Selenium, Thallium

EPA 245.1
Mercury

EPA 300.0
Fluoride, Nitrate, Nitrite

EPA 335.4
Total cyanide

EPA 353.2
Nitrate, Nitrite, Total Nitrate and Nitrite

ORGANIC

EPA 504.1
Dibromochloropropane (DBCP), Ethylene dibromide (EDB)

EPA 515.3
2,4-D, Dalapon, Dinoseb, Pentachlorophenol, Picloram, 2,4,5-TP (Silvex)

EPA 524.2
Benzene, Carbon tetrachloride, Monochlorobenzene, o-Dichlorobenzene, para-Dichlorobenzene, 1,2-Dichloroethane, 1,1-Dichloroethylene, cis-1-2-Dichloroethylene, trans-1-2-Dichloroethylene, Dichloromethane, 1,2-Dichloropropane, Ethylbenzene, Styrene, Tetrachloroethylene, Toluene, 1,2,4-Trichlorobenzene, 1,1,1-Trichloroethane, 1,1,2-Trichloroethane, Trichloroethylene, Vinyl Chloride, Xylenes (total), Bromodichloromethane, Bromoform, Chloroform, Dibromochloromethane, Total THMs

EPA 525.2
Alachlor, Atrazine, Chlordane, Di(2-ethylhexyl)adipate, Di(2-ethylhexl)phthalate, Endrin, Heptachlor, Heptachlor Epoxide, Hexachlorobenzene, Hexachlorocyclopentadiene, Lindane, Methoxychlor, Simazine, Toxaphene, PCBs (as Arochlors, qualitative, screening)

EPA 531.1
Carbofuran, Oxamyl (Vydate)

EPA 547
Glyphosate

EPA 548.1
Endothall

EPA 549.2
Diquat

EPA 550
Benzo(a)pyrene

EPA 552.2
Dibromoacetic acid, Dichloroacetic acid, Monobromoacetic acid, Monochloroacetic acid, Trichloroacetic acid

Pace Analytical Services, LLC – Peoria, Illinois

Expiration Date: June 30, 2022

Missouri Certificate No.: 870

Original Certifying State: Illinois

State of Missouri
Department of Natural Resources

Certificate of Approval
for Chemical Laboratory Service

This is to certify that

Pace Analytical Services, LLC – Peoria, Illinois

is hereby approved to perform the analysis of drinking water as specified on the Certified Parameter List, which must accompany this certificate to be valid.

Certification Number 870

Date Issued January 6, 2022

Expiration Date June 30, 2022

Laboratory Certification Authority, Public Drinking Water Branch
Missouri Department of Natural Resources

Certification Program Manager, Environmental Services Program
Missouri Department of Natural Resources