



COLUMBIA PUBLIC SCHOOLS
COLUMBIA, MO
LEAD AND COPPER MONITORING
SUMMARY REPORT

DATE: JANUARY 6, 2022

FACILITY NAME: **JOHN WARNER MIDDLE SCHOOL**

A. SAMPLE COLLECTION

- | | |
|--|--------|
| 1. NUMBER OF SAMPLES COLLECTED AT THIS FACILITY | 63 |
| 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 | 98.4% |
| 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 | 1 |

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 30, 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 **63** sample(s) the laboratory received on **8/16/21 3:40 pm** and logged in under work order **EH04142**. 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 EH04142

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: EH04142-01
Name: 1. Outside Room A111- Electric Water Cooler
Alias: JWMS-A111-EWC-1

Sampled: 08/12/21 05:42
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	1500	ug/L		**1300	08/26/21 09:28	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 14:15	KMC	EPA 200.8 REV 5.4

Sample: EH04142-02
Name: 2. Teachers Lounge - Cold Water Faucet
Alias: JWMS-A106-CWF-1

Sampled: 08/12/21 05:45
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	1200	ug/L		1300	08/26/21 09:30	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 14:17	KMC	EPA 200.8 REV 5.4

Sample: EH04142-03
Name: 3. Room A105 Nurses Office
Alias: JWMS-A105-CWF-2

Sampled: 08/12/21 05:45
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	1300	ug/L		1300	08/26/21 09:31	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 14:19	KMC	EPA 200.8 REV 5.4

Sample: EH04142-04
Name: 4. Room E101 - Cold Water Faucet
Alias: JWMS-E101-CWF-3

Sampled: 08/12/21 05:46
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	970	ug/L		1300	08/25/21 14:20	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 14:20	KMC	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: EH04142-05
Name: 5. Room E103 - Cold Water Faucet
Alias: JWMS-E103-CWF-4

Sampled: 08/12/21 05:47
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	1200	ug/L		1300	08/26/21 09:33	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 14:22	KMC	EPA 200.8 REV 5.4

Sample: EH04142-06
Name: 6. Room E103 - Cold Water Faucet
Alias: JWMS-E105-CWF-5

Sampled: 08/12/21 05:54
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	1500	ug/L		**1300	08/26/21 09:34	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 14:23	KMC	EPA 200.8 REV 5.4

Sample: EH04142-07
Name: 7. Hall by Room E112 - Electric Water Cooler
Alias: JWMS-HE112-EWC-2

Sampled: 08/12/21 05:48
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	1300	ug/L		**1300	08/26/21 09:36	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 14:25	KMC	EPA 200.8 REV 5.4

Sample: EH04142-08
Name: 8. Room E106 East Wall - Cold Water Faucet
Alias: JWMS-E106-CWF-6

Sampled: 08/12/21 00:00
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	1100	ug/L	Q4	1300	08/26/21 09:38	KMC	EPA 200.8 REV 5.4
Lead	2.4	ug/L		15	08/25/21 14:26	KMC	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: EH04142-09

Name: 9. Room E106 West Wall - Cold Water Faucet

Alias: JWMS-E106-CWF-7

Sampled: 08/12/21 05:58

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 14:34	KMC	EPA 200.8 REV 5.4
Lead	5.4	ug/L		15	08/25/21 14:34	KMC	EPA 200.8 REV 5.4

Sample: EH04142-10

Name: 10. Room E106 Island - Cold Water Faucet

Alias: JWMS-E106-CWF-8

Sampled: 08/12/21 06:00

Received: 08/16/21 15:40

Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	4500	ug/L		**1300	08/26/21 09:39	KMC	EPA 200.8 REV 5.4
Lead	6.7	ug/L		15	08/25/21 14:36	KMC	EPA 200.8 REV 5.4

Sample: EH04142-11

Name: 11. Room E112 East Wall - Cold Water Faucet

Alias: JWMS-E112-CWF-9

Sampled: 08/12/21 06:00

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 14:37	KMC	EPA 200.8 REV 5.4
Lead	3.6	ug/L		15	08/25/21 14:37	KMC	EPA 200.8 REV 5.4

Sample: EH04142-12

Name: 12. Room E112 West Wall - Cold Water Faucet

Alias: JWMS-E112-CWF-10

Sampled: 08/12/21 06:04

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 14:39	KMC	EPA 200.8 REV 5.4
Lead	5.0	ug/L		15	08/25/21 14:39	KMC	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: EH04142-13
Name: 13. Room E112 Island - Cold Water Faucet
Alias: JWMS-E112-CWF-11

Sampled: 08/12/21 06:01
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 14:40	KMC	EPA 200.8 REV 5.4
Lead	5.8	ug/L		15	08/25/21 14:40	KMC	EPA 200.8 REV 5.4

Sample: EH04142-14
Name: 14. Room E111 - Cold Water Faucet
Alias: JWMS-E111-CWF-12

Sampled: 08/12/21 06:06
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	850	ug/L		1300	08/25/21 14:42	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 14:42	KMC	EPA 200.8 REV 5.4

Sample: EH04142-15
Name: 15. Room E113- Cold Water Faucet
Alias: JWMS-E113-CWF-13

Sampled: 08/12/21 06:07
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	1300	ug/L		1300	08/26/21 09:44	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 14:43	KMC	EPA 200.8 REV 5.4

Sample: EH04142-16
Name: 16. Room E115 - Cold Water Faucet
Alias: JWMS-E115-CWF-14

Sampled: 08/12/21 06:10
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	1300	ug/L	Q4	**1300	08/26/21 09:45	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 14:45	KMC	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: EH04142-17
Name: 17. Hall by Room D108 - Electric Water Cooler
Alias: JWMS-HD108-EWC-3

Sampled: 08/12/21 06:15
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	1300	ug/L		**1300	08/26/21 09:47	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 14:53	KMC	EPA 200.8 REV 5.4

Sample: EH04142-18
Name: 18. Room D102 South Wall - Cold Water Faucet
Alias: JWMS-D102-CWF-15

Sampled: 08/12/21 06:16
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	1400	ug/L		**1300	08/26/21 09:48	KMC	EPA 200.8 REV 5.4
Lead	1.8	ug/L		15	08/25/21 14:54	KMC	EPA 200.8 REV 5.4

Sample: EH04142-19
Name: 19. Room D102 East Wall - Cold Water Faucet
Alias: JWMS-D102-CWF-16

Sampled: 08/12/21 06:15
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	760	ug/L		1300	08/25/21 14:56	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 14:56	KMC	EPA 200.8 REV 5.4

Sample: EH04142-20
Name: 20. Room D112 Northwest Sink - Cold Water Faucet
Alias: JWMS-D112-CWF-17

Sampled: 08/12/21 06:17
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	1200	ug/L		1300	08/26/21 09:50	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 14:57	KMC	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: EH04142-21
Name: 21. Room D112 Southeast Sink - Cold Water Faucet
Alias: JWMS-D112-CWF-18

Sampled: 08/12/21 06:18
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	560	ug/L		1300	08/25/21 14:59	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 14:59	KMC	EPA 200.8 REV 5.4

Sample: EH04142-22
Name: 22. Room D113 Far North - Cold Water Faucet
Alias: JWMS-D113-CWF-19

Sampled: 08/12/21 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	640	ug/L		1300	08/25/21 15:00	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 15:00	KMC	EPA 200.8 REV 5.4

Sample: EH04142-23
Name: 23. Room D116 - Cold Water Faucet
Alias: JWMS-D116-CWF-20

Sampled: 08/12/21 06:26
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	790	ug/L		1300	08/25/21 15:02	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 15:02	KMC	EPA 200.8 REV 5.4

Sample: EH04142-24
Name: 24. Room A128B- Cold Water Faucet
Alias: JWMS-D128B-CWF-21

Sampled: 08/12/21 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	1400	ug/L	Q4	**1300	08/26/21 09:52	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 15:04	KMC	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: EH04142-25
Name: 25. Room B105 Concession West Sink
Alias: JWMS-B105-CWF-22

Sampled: 08/12/21 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	950	ug/L		1300	08/25/21 15:11	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 15:11	KMC	EPA 200.8 REV 5.4

Sample: EH04142-26
Name: 26. Room B105 Concession East Sink
Alias: JWMS-B105-CWF-23

Sampled: 08/12/21 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	630	ug/L		1300	08/25/21 15:13	KMC	EPA 200.8 REV 5.4
Lead	1.2	ug/L		15	08/25/21 15:13	KMC	EPA 200.8 REV 5.4

Sample: EH04142-27
Name: 27. Girls Locker Room - Electric Water Cooler
Alias: JWMS-C102-EWC-4

Sampled: 08/12/21 06:40
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	1300	ug/L		**1300	08/26/21 10:03	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 15:14	KMC	EPA 200.8 REV 5.4

Sample: EH04142-28
Name: 28. Boys Locker Room - Electric Water Cooler
Alias: JWMS-C103-EWC-5

Sampled: 08/12/21 06:39
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	1300	ug/L		**1300	08/26/21 09:55	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 15:16	KMC	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: EH04142-29**Name:** 29. Room B119 Island North - Cold Water Faucet**Alias:** JWMS-B119-KF-1**Sampled:** 08/12/21 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	640	ug/L		1300	08/25/21 15:18	KMC	EPA 200.8 REV 5.4
Lead	1.8	ug/L		15	08/25/21 15:18	KMC	EPA 200.8 REV 5.4

Sample: EH04142-30**Name:** 30. Room B119 NE Hand Wash - Cold Water Faucet**Alias:** JWMS-B119-KF-2**Sampled:** 08/12/21 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	750	ug/L		1300	08/25/21 15:19	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 15:19	KMC	EPA 200.8 REV 5.4

Sample: EH04142-31**Name:** 31. Room B119 Island South - Cold Water Faucet**Alias:** JWMS-B119-KF-3**Sampled:** 08/12/21 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	1200	ug/L		1300	08/26/21 09:56	KMC	EPA 200.8 REV 5.4
Lead	2.3	ug/L		15	08/25/21 15:21	KMC	EPA 200.8 REV 5.4

Sample: EH04142-32**Name:** 32. Room B119 South Wall Sink - Cold Water Faucet**Alias:** JWMS-B119-KF-4**Sampled:** 08/12/21 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	950	ug/L		1300	08/25/21 15:22	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 15:22	KMC	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: EH04142-33
Name: 33. Room B119 West Wall Sink - Cold Water Faucet
Alias: JWMS-B119-KF-5

Sampled: 08/12/21 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	1300	ug/L		**1300	08/26/21 09:58	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 15:24	KMC	EPA 200.8 REV 5.4

Sample: EH04142-34
Name: 34. Room B122 South Wall - Cold Water Faucet
Alias: JWMS-B112-CWF-24

Sampled: 08/12/21 06:56
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	820	ug/L		1300	08/25/21 15:28	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 15:28	KMC	EPA 200.8 REV 5.4

Sample: EH04142-35
Name: 35. Room B122 West Wall North - Cold Water Faucet
Alias: JWMS-B122-CWF-25

Sampled: 08/12/21 06:55
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	65	ug/L		1300	08/25/21 15:30	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 15:30	KMC	EPA 200.8 REV 5.4

Sample: EH04142-36
Name: 36. Room B122 West Wall South - Cold Water Faucet
Alias: JWMS-B122-CWF-26

Sampled: 08/12/21 06:56
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	650	ug/L		1300	08/25/21 15:31	KMC	EPA 200.8 REV 5.4
Lead	1.2	ug/L		15	08/25/21 15:31	KMC	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: EH04142-37
Name: 37. Room E201 - Cold Water Faucet
Alias: JWMS-E201-CWF-27

Sampled: 08/12/21 07:00
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	820	ug/L		1300	08/25/21 15:33	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 15:33	KMC	EPA 200.8 REV 5.4

Sample: EH04142-38
Name: 38. Room E202 - Cold Water Faucet
Alias: JWMS-E202-CWF-28

Sampled: 08/12/21 07:05
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	930	ug/L		1300	08/26/21 10:04	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 15:35	KMC	EPA 200.8 REV 5.4

Sample: EH04142-39
Name: 39. Room E203 - Cold Water Faucet
Alias: JWMS-E203-CWF-29

Sampled: 08/12/21 07:06
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	920	ug/L		1300	08/25/21 15:36	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 15:36	KMC	EPA 200.8 REV 5.4

Sample: EH04142-40
Name: 40. Room E205 - Cold Water Faucet
Alias: JWMS-E205-CWF-30

Sampled: 08/12/21 07:07
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	960	ug/L		1300	08/25/21 15:38	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 15:38	KMC	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: EH04142-41
Name: 41.Room E206 East Wall - Cold Water Faucet
Alias: JWMS-E206-CWF-31

Sampled: 08/12/21 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	980	ug/L		1300	08/25/21 15:39	KMC	EPA 200.8 REV 5.4
Lead	4.0	ug/L		15	08/25/21 15:39	KMC	EPA 200.8 REV 5.4

Sample: EH04142-42
Name: 42. Room E206 West Wall - Cold Water Faucet
Alias: JWMS-E206-CWF-32

Sampled: 08/12/21 07:05
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	140	ug/L		1300	08/25/21 15:41	KMC	EPA 200.8 REV 5.4
Lead	1.6	ug/L		15	08/25/21 15:41	KMC	EPA 200.8 REV 5.4

Sample: EH04142-43
Name: 43. Room E206 Island - Cold Water Faucet
Alias: JWMS-E206-CWF-33

Sampled: 08/12/21 07:10
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	3400	ug/L		**1300	08/26/21 10:06	KMC	EPA 200.8 REV 5.4
Lead	19	ug/L		**15	08/25/21 15:42	KMC	EPA 200.8 REV 5.4

Sample: EH04142-44
Name: 44. Room E212 East Wall - Cold Water Faucet
Alias: JWMS-E212-CWF-34

Sampled: 08/12/21 07:10
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	1600	ug/L		**1300	08/26/21 10:08	KMC	EPA 200.8 REV 5.4
Lead	5.6	ug/L		15	08/25/21 15:47	KMC	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: EH04142-45
Name: 45. Room E212 West Wall - Cold Water Faucet
Alias: JWMS-E212-CWF-35

Sampled: 08/12/21 07:10
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	830	ug/L		1300	08/25/21 15:49	KMC	EPA 200.8 REV 5.4
Lead	11	ug/L		15	08/25/21 15:49	KMC	EPA 200.8 REV 5.4

Sample: EH04142-46
Name: 46. Room E212 Island - Cold Water Faucet
Alias: JWMS-E212-CWF-36

Sampled: 08/12/21 07:10
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	300	ug/L		1300	08/25/21 15:50	KMC	EPA 200.8 REV 5.4
Lead	15	ug/L		15	08/25/21 15:50	KMC	EPA 200.8 REV 5.4

Sample: EH04142-47
Name: 47. Hall by Room E212 - Electric Water Cooler
Alias: JWMS-HE212-EWC-6

Sampled: 08/12/21 07:10
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	1400	ug/L		**1300	08/26/21 10:09	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 15:52	KMC	EPA 200.8 REV 5.4

Sample: EH04142-48
Name: 48. Room E211 - Cold Water Faucet
Alias: JWMS-E211-CWF-37

Sampled: 08/12/21 07:15
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	880	ug/L		1300	08/25/21 15:53	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 15:53	KMC	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: EH04142-49
Name: 49. Room E213 - Cold Water Faucet
Alias: JWMS-E213-CWF-38

Sampled: 08/12/21 07:15
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	940	ug/L		1300	08/25/21 15:55	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 15:55	KMC	EPA 200.8 REV 5.4

Sample: EH04142-50
Name: 50. Room E215 - Cold Water Faucet
Alias: JWMS-E215-CWF-39

Sampled: 08/12/21 07:20
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	1200	ug/L		1300	08/26/21 10:11	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 15:56	KMC	EPA 200.8 REV 5.4

Sample: EH04142-51
Name: 51. Room D201- Cold Water Faucet
Alias: JWMS-D201-CWF-40

Sampled: 08/12/21 07:18
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	690	ug/L		1300	08/25/21 15:58	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 15:58	KMC	EPA 200.8 REV 5.4

Sample: EH04142-52
Name: 52. Room D203 - Cold Water Faucet
Alias: JWMS-D203-CWF-41

Sampled: 08/12/21 07:20
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	1500	ug/L		**1300	08/26/21 10:12	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 16:00	KMC	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: EH04142-53**Name:** 53. Room D205 - Cold Water Faucet**Alias:** JWMS-D205-CWF-42**Sampled:** 08/12/21 07:15**Received:** 08/16/21 15:40**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	2700	ug/L		**1300	08/26/21 10:14	KMC	EPA 200.8 REV 5.4
Lead	21	ug/L		**15	08/25/21 16:01	KMC	EPA 200.8 REV 5.4

Sample: EH04142-54**Name:** 54. Room D206 East Wall - Cold Water Faucet**Alias:** JWMS-D206-CWF-43**Sampled:** 08/12/21 07:25**Received:** 08/16/21 15:40**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	610	ug/L		1300	08/25/21 16:06	KMC	EPA 200.8 REV 5.4
Lead	2.6	ug/L		15	08/25/21 16:06	KMC	EPA 200.8 REV 5.4

Sample: EH04142-55**Name:** 55. Room D206 West Wall - Cold Water Faucet**Alias:** JWMS-D206-CWF-44**Sampled:** 08/12/21 07:25**Received:** 08/16/21 15:40**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	290	ug/L		1300	08/25/21 16:07	KMC	EPA 200.8 REV 5.4
Lead	3.7	ug/L		15	08/25/21 16:07	KMC	EPA 200.8 REV 5.4

Sample: EH04142-56**Name:** 56. Room D206 Island - Cold Water Faucet**Alias:** JWMS-D206-CWF-45**Sampled:** 08/12/21 07:25**Received:** 08/16/21 15:40**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	440	ug/L		1300	08/25/21 16:09	KMC	EPA 200.8 REV 5.4
Lead	9.2	ug/L		15	08/25/21 16:09	KMC	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: EH04142-57
Name: 57. Room D212 East Wall - Cold Water Faucet
Alias: JWMS-D212-CWF-46

Sampled: 08/12/21 07:30
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	1100	ug/L		1300	08/26/21 10:15	KMC	EPA 200.8 REV 5.4
Lead	4.1	ug/L		15	08/25/21 16:10	KMC	EPA 200.8 REV 5.4

Sample: EH04142-58
Name: 58. Room D212 West Wall - Cold Water Faucet
Alias: JWMS-D212-CWF-47

Sampled: 08/12/21 07:30
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	910	ug/L		1300	08/25/21 16:12	KMC	EPA 200.8 REV 5.4
Lead	2.4	ug/L		15	08/25/21 16:12	KMC	EPA 200.8 REV 5.4

Sample: EH04142-59
Name: 59. Room D212 Island - Cold Water Faucet
Alias: JWMS-D212-CWF-48

Sampled: 08/12/21 08:30
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	660	ug/L		1300	08/25/21 16:14	KMC	EPA 200.8 REV 5.4
Lead	2.5	ug/L		15	08/25/21 16:14	KMC	EPA 200.8 REV 5.4

Sample: EH04142-60
Name: 60. Hall by Room HD212 - Electric Water Cooler
Alias: JWMS-HD212-EWC-7

Sampled: 08/12/21 07:30
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	1400	ug/L		**1300	08/26/21 10:17	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 16:15	KMC	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: EH04142-61
Name: 61. Room D211 - Cold Water Faucet
Alias: JWMS-D211-CWF-49

Sampled: 08/12/21 07:40
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	580	ug/L		1300	08/25/21 16:17	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 16:17	KMC	EPA 200.8 REV 5.4

Sample: EH04142-62
Name: 62. Room D213 - Cold Water Faucet
Alias: JWMS-D213-CWF-50

Sampled: 08/12/21 07:40
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	1400	ug/L		**1300	08/26/21 10:22	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 16:18	KMC	EPA 200.8 REV 5.4

Sample: EH04142-63
Name: 63. Room D215 - Cold Water Faucet
Alias: JWMS-D215-CWF-51

Sampled: 08/12/21 07:40
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	620	ug/L	Q3	1300	08/25/21 16:20	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/25/21 16:20	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

Qualifiers

- Q3 Matrix Spike/Matrix Spike Duplicate both failed % recovery acceptance limits. The associated blank spike recovery was acceptable.
- Q4 The matrix spike recovery result is unusable since the analyte concentration in the sample is greater than four times the spike level. The associated blank spike was acceptable.

Certified by: Erin Lane, Project Manager





CHAIN OF CUSTODY RECORD
STATE WHERE SAMPLE COLLECTED MO

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

QUALITRAX 2210 DEV/E

1 **CLIENT:** Client's company name
ADDRESS: Client's mailing address
CITY, STATE, ZIP: Client's city, state and zip code for mailing
CONTACT PERSON: Person to receive results
PROJECT NUMBER: Client's reference to the project or work involved with these samples.
PROJECT LOCATION: Client's location of project
PURCHASE ORDER NUMBER: Client's invoicing information
PHONE NUMBER: Client's contact phone number
E-MAIL: Client's e-mail for correspondence and final report
DATE SHIPPED: Month, date and year samples were shipped or delivered to the lab
SAMPLER: Printed name of sample collector
SAMPLER'S SIGNATURE: Signature of sample collector
REGULATORY PROGRAM: Circle regulatory program if applicable.
STATE WHERE SAMPLES COLLECTED: Enter the state if different from client address

2 **SAMPLE DESCRIPTION:** The unique sample description you want to appear on the analytical report
DATE COLLECTED: Date sample was collected. For composite samples, this is typically the date when the last aliquot was added.
TIME COLLECTED: Time sample was collected. For composite samples, this is typically the time when the last aliquot was added.
SAMPLE TYPE: Place a check mark in the box marked "GRAB" if the sample was collected at one time from one specific location. Place a check mark in the box marked "COMP" if the sample is a composite of samples collected at one or more times or locations and combined to make one sample.
MATRIX TYPE: From field above. If "OTHER" please identify
BOTLE COUNT: Total number of containers submitted for the samples
PRESERVATION CODE: Indicate bottle preservative using the codes on the front of the COC for non-PDC bottles, provided by the client.

3 **ANALYSIS REQUESTED:** Write the analysis name (or an abbreviation), the name of a group of tests, or the method number you would like us to perform. Examples are BOD, TCLP Metals, PCBs, Method 624, etc. Place a check mark in the small boxes that correspond to the sample(s) on which you want these tests performed.

REMARKS: List special instructions about the sample here. This space can also be used for listing additional analyses, or to request an extra copy of the report to be sent to an alternate person/address.

4 To be completed by laboratory personnel.

5 **TURNAROUND TIME REQUESTED:** Circle "NORMAL" if you want routine 10 working day TAT. If faster results are needed circle "RUSH", indicated the due date requested, and, if possible, call the lab in advance to schedule this work. Surcharges may apply for non-routine turnaround times.
RUSH RESULTS VIA: Choose method by which you would like to receive the RUSH results by circling either "PHONE" or E-MAIL". List the appropriate number/e-mail if different from that listed in section 1.

6 Place your initials on the line to give the lab permission to proceed with analysis without calling you regarding a sample nonconformance. If the sample does not meet the Sample Acceptance Policy requirements then the appropriate case narrative and/or data qualifiers will be added to the corresponding analysis and may not be acceptable to use for regulatory purposes. Contact your project manager for further information or to obtain a copy of the Sample Acceptance Policy.

Summarized Sample Acceptance Policy Requirements:

- Proper, full and completed chain-of-custody documentation
- Readable unique sample container identification written in indelible ink
- Appropriate sample container
- Sufficient sample volume to perform requested tests
- Received within required holding time
- Received within temperature preservation requirements
- Sample containers received in good condition (not leaking or broken)
- Any custody seal intact
- Properly preserved, and
- No headspace in volatile water samples

A data qualifier and/or case narrative will be added to the final test report when the above sample acceptance requirements are not met.

BOX 6 CANNOT BE USED FOR DRINKING WATER COMPLIANCE SAMPLES.

7 **RELINQUISHED BY/RECEIVED BY:** This form must be signed each time the sample(s) changes hands. Chain-of-Custody seals are available upon request if needed.

8 To be completed by laboratory personnel.

Sample Acceptance Policy – Receiving facility's specific policy available from your project manager.

SERVING YOU IN THE FOLLOWING LOCATIONS

2231 W Altorfer Dr
Peoria, IL 61615
309-692-9688

944 Anglum Road
Hazelwood, MO 63042
314-432-0550

1805 W Sunset St.
Springfield, MO 65807
417-964-8924

4314-A Crystal Lake Rd
McHenry, IL 60050
815-344-4044

Thank you for using PDC Laboratories, Inc.
Please call 800-752-6651 if you have any questions about completing this form.

Location:	John Warner Middle School
Sample Date:	8/12/2021
Sample Time:	Various
Sampled By:	Cullan Even and Randy Lee

Sample No.	Coding System	Description	Sample Collected
842 1	JWMS-A111-EWC-1	Outside Room A111 - Electric Water Cooler	Yes
845 2	JWMS-A106-CWF-1	Teachers Lounge - Cold Water Faucet	Yes
845 3	JWMS-A105-CWF-2	Room A105 Nurses Office	Yes
846 4	JWMS-E101-CWF-3	Room E101 - Cold Water Faucet	Yes
847 5	JWMS-E103-CWF-4	Room E103 - Cold Water Faucet	Yes
854 6	JWMS-E105-CWF-5	Room E103 - Cold Water Faucet	Yes
848 7	JWMS-HE112-EWC-2	Hall by Room E112 - Electric Water Cooler	Yes
No time 8	JWMS-E106-CWF-6	Room E106 East Wall - Cold Water Faucet	Yes
858 9	JWMS-E106-CWF-7	Room E106 West Wall - Cold Water Faucet	Yes
1000 10	JWMS-E106-CWF-8	Room E106 Island - Cold Water Faucet	Yes
1000 11	JWMS-E112-CWF-9	Room E112 East Wall - Cold Water Faucet	Yes
1004 12	JWMS-E112-CWF-10	Room E112 West Wall - Cold Water Faucet	Yes
1001 13	JWMS-E112-CWF-11	Room E112 Island - Cold Water Faucet	Yes
1006 14	JWMS-E111-CWF-12	Room E111 - Cold Water Faucet	Yes
1007 15	JWMS-E113-CWF-13	Room E113 - Cold Water Faucet	Yes
1010 16	JWMS-E115-CWF-14	Room E115 - Cold Water Faucet	Yes
1015 17	JWMS-HD108-EWC-3	Hall by Room D108 - Electric Water Cooler	Yes
1016 18	JWMS-D102-CWF-15	Room D102 South Wall - Cold Water Faucet	Yes
1015 19	JWMS-D102-CWF-16	Room D102 East Wall - Cold Water Faucet	Yes
1017 20	JWMS-D112-CWF-17	Room D112 Northwest Sink - Cold Water Faucet	Yes
1018 21	JWMS-D112-CWF-18	Room D112 Southeast Sink - Cold Water Faucet	Yes
1019 22	JWMS-D113-CWF-19	Room D113 Far North - Cold Water Faucet	Yes
1026 23	JWMS-D116-CWF-20	Room D116 - Cold Water Faucet	Yes
1030 24	JWMS-D128B-CWF-21	Room A128B - Cold Water Faucet	Yes
1035 25	JWMS-B105-CWF-22	Room B105 Concession West Sink	Yes
1035 26	JWMS-B105-CWF-23	Room B105 Concession East Sink	Yes
1040 27	JWMS-C102-EWC-4	Girls Locker Room- Electric Water Cooler	Yes
1039 28	JWMS-C103-EWC-5	Boys Locker Room- Electric Water Cooler	Yes
1048 29	JWMS-B119-KF-1	Room B119 Island North - Cold Water Faucet	Yes
1047 30	JWMS-B119-KF-2	Room B119 NE Hand Wash - Cold Water Faucet	Yes
1050 31	JWMS-B119-KF-3	Room B119 Island South - Cold Water Faucet	Yes
1050 32	JWMS-B119-KF-4	Room B119 South Wall Sink - Cold Water Faucet	Yes
1050 33	JWMS-B119-KF-5	Room B119 West Wall Sink - Cold Water Faucet	Yes
1056 34	JWMS-B122-CWF-24	Room B122 South Wall - Cold Water Faucet	Yes
1055 35	JWMS-B122-CWF-25	Room B122 West Wall North - Cold Water Faucet	Yes
1056 36	JWMS-B122-CWF-26	Room B122 West Wall South - Cold Water Faucet	Yes
700 37	JWMS-E201-CWF-27	Room E201 - Cold Water Faucet	Yes
705 38	JWMS-E202-CWF-28	Room E202 - Cold Water Faucet	Yes
706 39	JWMS-E203-CWF-29	Room E203 - Cold Water Faucet	Yes

707	40	JWMS-E205-CWF-30	Room E205 - Cold Water Faucet	Yes
708	41	JWMS-E206-CWF-31	Room E206 East Wall - Cold Water Faucet	Yes
708	42	JWMS-E206-CWF-32	Room E206 West Wall - Cold Water Faucet	Yes
710	43	JWMS-E206-CWF-33	Room E206 Island - Cold Water Faucet	Yes
710	44	JWMS-E212-CWF-34	Room E212 East Wall - Cold Water Faucet	Yes
710	45	JWMS-E212-CWF-35	Room E212 West Wall - Cold Water Faucet	Yes
710	46	JWMS-E212-CWF-36	Room E212 Island - Cold Water Faucet	Yes
710	47	JWMS-HE212-EWC-6	Hall by Room E212 - Electric Water Cooler	Yes
715	48	JWMS-E211-CWF-37	Room E211 - Cold Water Faucet	Yes
715	49	JWMS-E213-CWF-38	Room E213 - Cold Water Faucet	Yes
720	50	JWMS-E215-CWF-39	Room E215 - Cold Water Faucet	Yes
718	51	JWMS-D201-CWF-40	Room D201 - Cold Water Faucet	Yes
720	52	JWMS-D203-CWF-41	Room D203 - Cold Water Faucet	Yes
715	53	JWMS-D205-CWF-42	Room D205 - Cold Water Faucet	Yes
725	54	JWMS-D206-CWF-43	Room D206 East Wall - Cold Water Faucet	Yes
725	55	JWMS-D206-CWF-44	Room D206 West Wall - Cold Water Faucet	Yes
725	56	JWMS-D206-CWF-45	Room D206 Island - Cold Water Faucet	Yes
730	57	JWMS-D212-CWF-46	Room D212 East Wall - Cold Water Faucet	Yes
730	58	JWMS-D212-CWF-47	Room D212 West Wall - Cold Water Faucet	Yes
830	59	JWMS-D212-CWF-48	Room D212 Island - Cold Water Faucet	Yes
730	60	JWMS-HD212-EWC-7	Hall by Room HD212 - Electric Water Cooler	Yes
740	61	JWMS-D211-CWF-49	Room D211 - Cold Water Faucet	Yes
740	62	JWMS-D213-CWF-50	Room D213 - Cold Water Faucet	Yes
740	63	JWMS-D215-CWF-51	Room D215 - Cold Water Faucet	Yes



"FIRST FLUSH" RESAMPLING

ANALYTICAL RESULTS

Sample: EL04058-43**Name:** 1. Outside Room A111- Electric Water Cooler**Alias:** JWMS-A111-EWC-1**Sampled:** 12/10/21 06:20**Received:** 12/20/21 15:10**Matrix:** Drinking Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Copper	790	ug/L		01/06/22 09:26	1	3.0	01/06/22 11:22	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		01/06/22 09:26	1	1.0	01/06/22 11:22	KMC	EPA 200.8 REV 5.4

Sample: EL04058-44**Name:** 6. Room E103 - Cold Water Faucet**Alias:** JWMS-E105-CWF-5**Sampled:** 12/10/21 06:00**Received:** 12/20/21 15:10**Matrix:** Drinking Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Copper	1000	ug/L		01/06/22 09:26	5	15	01/06/22 15:49	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		01/06/22 09:26	1	1.0	01/06/22 11:24	KMC	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: EL04058-45
Name: 10. Room E106 Island - Cold Water Faucet
Alias: JWMS-E106-CWF-8

Sampled: 12/10/21 06:00
Received: 12/20/21 15:10
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Copper	1100	ug/L		01/06/22 09:26	5	15	01/06/22 15:51	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		01/06/22 09:26	1	1.0	01/06/22 11:25	KMC	EPA 200.8 REV 5.4

Sample: EL04058-46
Name: 18. Room D102 South Wall - Cold Water Faucet
Alias: JWMS-D102-CWF-15

Sampled: 12/10/21 06:10
Received: 12/20/21 15:10
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Copper	660	ug/L		01/06/22 09:26	1	3.0	01/06/22 11:27	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		01/06/22 09:26	1	1.0	01/06/22 11:27	KMC	EPA 200.8 REV 5.4

Sample: EL04058-47
Name: 24. Room A128B - Cold Water Faucet
Alias: JWMS-D128B-CWF-21

Sampled: 12/10/21 06:10
Received: 12/20/21 15:10
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Copper	2000	ug/L		01/06/22 09:26	5	15	01/06/22 15:52	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		01/06/22 09:26	1	1.0	01/06/22 11:28	KMC	EPA 200.8 REV 5.4

Sample: EL04058-48
Name: 43. Room E206 Island - Cold Water Faucet
Alias: JWMS-E206-CWF-33

Sampled: 12/10/21 06:07
Received: 12/20/21 15:10
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Copper	1600	ug/L		01/06/22 09:26	5	15	01/06/22 15:54	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		01/06/22 09:26	1	1.0	01/06/22 11:30	KMC	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: EL04058-49
Name: 44. Room E212 East Wall - Cold Water Faucet
Alias: JWMS-E212-CWF-34

Sampled: 12/10/21 06:08
Received: 12/20/21 15:10
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Copper	1100	ug/L	Q4	01/06/22 09:26	5	15	01/06/22 15:55	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		01/06/22 09:26	1	1.0	01/06/22 11:32	KMC	EPA 200.8 REV 5.4

Sample: EL04058-50
Name: 47. Hall by Room E212 - Electric Water Cooler
Alias: JWMS-HE212-EWC-6

Sampled: 12/10/21 06:10
Received: 12/20/21 15:10
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Copper	860	ug/L		01/06/22 09:26	1	3.0	01/06/22 11:41	KMC	EPA 200.8 REV 5.4
Lead	47	ug/L		01/06/22 09:26	1	1.0	01/06/22 11:41	KMC	EPA 200.8 REV 5.4

Sample: EL04058-51
Name: 52. Room D203 - Cold Water Faucet
Alias: JWMS-D203-CWF-41

Sampled: 12/10/21 06:01
Received: 12/20/21 15:10
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Copper	610	ug/L		01/06/22 09:26	1	3.0	01/06/22 11:43	KMC	EPA 200.8 REV 5.4
Lead	2.7	ug/L		01/06/22 09:26	1	1.0	01/06/22 11:43	KMC	EPA 200.8 REV 5.4

Sample: EL04058-52
Name: 53. Room D205 - Cold Water Faucet
Alias: JWMS-D205-CWF-42

Sampled: 12/10/21 06:02
Received: 12/20/21 15:10
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Copper	1100	ug/L		01/06/22 09:26	5	15	01/06/22 15:57	KMC	EPA 200.8 REV 5.4
Lead	2.4	ug/L		01/06/22 09:26	1	1.0	01/06/22 11:44	KMC	EPA 200.8 REV 5.4



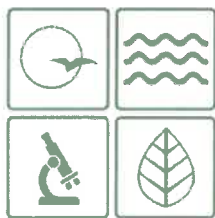
ANALYTICAL RESULTS

Sample: EL04058-53**Name:** 60. Hall by Room HD212 - Electric Water Cooler**Alias:** JWMS-HD212-EWC-7**Sampled:** 12/10/21 06:05**Received:** 12/20/21 15:10**Matrix:** Drinking Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Copper	370	ug/L		01/06/22 09:26	1	3.0	01/06/22 11:46	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		01/06/22 09:26	1	1.0	01/06/22 11:46	KMC	EPA 200.8 REV 5.4

Sample: EL04058-54**Name:** 62. Room D213 - Cold Water Faucet**Alias:** JWMS-D213-CWF-50**Sampled:** 12/10/21 06:05**Received:** 12/20/21 15:10**Matrix:** Drinking Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Copper	880	ug/L		01/06/22 09:26	1	3.0	01/06/22 11:47	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		01/06/22 09:26	1	1.0	01/06/22 11:47	KMC	EPA 200.8 REV 5.4



Missouri Department of dnr.mo.gov
NATURAL RESOURCES

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 Department 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

EPA 245.1

Mercury

SM 4500NO3-F

Nitrate, Nitrite

EPA 300.0

Fluoride, Nitrate, Nitrite

EPA 200.7

Barium, Beryllium, Cadmium,
Chromium, Copper, Nickel

EPA 335.4

Total cyanide

EPA 200.8

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

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-ethylhexyl)phthalate, Endrin, Heptachlor, Heptachlor Epoxide, Hexachlorobenzene, Hexachlorocyclopentadiene, Lindane, Methoxychlor, Simazine, Toxaphene, PCBs (as Aroclors, 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

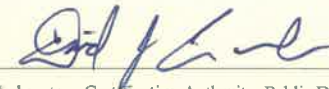
Pace Analytical Services, LLC – Peoria, Illinois

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.

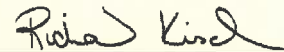
Certification Number 870

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