



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

DATE: April 12, 2022

FACILITY NAME: **WEST MIDDLE 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  | 98.0%  |
| 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   | 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 17, 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 **52** sample(s) the laboratory received on **7/28/21 11:27 am** and logged in under work order **EG05581**. 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](mailto:lgrant@pdclab.com).

Sincerely,

Erin Lane  
Project Manager



**SAMPLE RECEIPT CHECK LIST****Items not applicable will be marked as in compliance**

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Work Order      EG05581

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YES	Samples received within temperature compliance when applicable
YES	COC present upon sample receipt
NO	COC completed & legible
YES	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
NO	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:** EG05581-01  
**Name:** 1. Kitchen - Faucet Southwest  
**Alias:** WMS-\_\_KF-1

**Sampled:** 07/24/21 07:32  
**Received:** 07/28/21 11:27  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	280	ug/L		1300	07/30/21 13:02	TJJ	EPA 200.8 REV 5.4
Lead	3.5	ug/L		15	07/30/21 13:02	TJJ	EPA 200.8 REV 5.4

**Sample:** EG05581-02  
**Name:** 2. Kitchen - Faucet Southeast  
**Alias:** WMS-\_\_KF-2

**Sampled:** 07/24/21 07:32  
**Received:** 07/28/21 11:27  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	110	ug/L		1300	07/30/21 13:03	TJJ	EPA 200.8 REV 5.4
Lead	4.7	ug/L		15	07/30/21 13:03	TJJ	EPA 200.8 REV 5.4

**Sample:** EG05581-03  
**Name:** 3. Kitchen - Faucet Center  
**Alias:** WMS-\_\_KF-3

**Sampled:** 07/24/21 07:32  
**Received:** 07/28/21 11:27  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	110	ug/L		1300	07/30/21 13:05	TJJ	EPA 200.8 REV 5.4
Lead	4.5	ug/L		15	07/30/21 13:05	TJJ	EPA 200.8 REV 5.4

**Sample:** EG05581-04  
**Name:** 4. Room 229 - Faucet North  
**Alias:** WMS-229-FACSF-1

**Sampled:** 07/24/21 07:27  
**Received:** 07/28/21 11:27  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	140	ug/L		1300	07/30/21 13:06	TJJ	EPA 200.8 REV 5.4
Lead	4.9	ug/L		15	07/30/21 13:06	TJJ	EPA 200.8 REV 5.4



## ANALYTICAL RESULTS

**Sample:** EG05581-05  
**Name:** 5. Room 229 - Faucet East  
**Alias:** WMS-229-FACSF-2

**Sampled:** 07/24/21 07:27  
**Received:** 07/28/21 11:27  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	100	ug/L		1300	07/30/21 13:08	TJJ	EPA 200.8 REV 5.4
Lead	8.3	ug/L		15	07/30/21 13:08	TJJ	EPA 200.8 REV 5.4

**Sample:** EG05581-06  
**Name:** 6. Room 229 - Faucet South  
**Alias:** WMS-229-FACSF-3

**Sampled:** 07/24/21 07:27  
**Received:** 07/28/21 11:27  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	120	ug/L		1300	07/30/21 13:09	TJJ	EPA 200.8 REV 5.4
Lead	3.7	ug/L		15	07/30/21 13:09	TJJ	EPA 200.8 REV 5.4

**Sample:** EG05581-07  
**Name:** 7. Hall by 227 - Electric Water Cooler  
**Alias:** WMS-H227-EWC-1

**Sampled:** 07/24/21 07:25  
**Received:** 07/28/21 11:27  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	220	ug/L		1300	07/30/21 13:11	TJJ	EPA 200.8 REV 5.4
Lead	6.1	ug/L		15	07/30/21 13:11	TJJ	EPA 200.8 REV 5.4

**Sample:** EG05581-08  
**Name:** 8. Room 221 - Faucet  
**Alias:** WMS-221-TLF-1

**Sampled:** 07/24/21 07:27  
**Received:** 07/28/21 11:27  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	56	ug/L		1300	07/30/21 13:12	TJJ	EPA 200.8 REV 5.4
Lead	1.4	ug/L		15	07/30/21 13:12	TJJ	EPA 200.8 REV 5.4



## ANALYTICAL RESULTS

**Sample:** EG05581-09**Name:** 9. Hall by 222 - Electric Water Cooler**Alias:** WMS-H222-EWC-2**Sampled:** 07/24/21 07:19**Received:** 07/28/21 11:27**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	84	ug/L		1300	07/30/21 13:44	TJJ	EPA 200.8 REV 5.4
Lead	2.1	ug/L		15	07/30/21 13:44	TJJ	EPA 200.8 REV 5.4

**Sample:** EG05581-10**Name:** 10. Nurses Office - Faucet**Alias:** WMS-222-NSF-1**Sampled:** 07/24/21 07:20**Received:** 07/28/21 11:27**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	150	ug/L		1300	07/30/21 13:45	TJJ	EPA 200.8 REV 5.4
Lead	10	ug/L		15	07/30/21 13:45	TJJ	EPA 200.8 REV 5.4

**Sample:** EG05581-11**Name:** 11. Hall by 212 - Electric Water Cooler**Alias:** WNS-H212-EWC-3**Sampled:** 07/24/21 07:15**Received:** 07/28/21 11:27**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	140	ug/L		1300	07/30/21 13:47	TJJ	EPA 200.8 REV 5.4
Lead	2.4	ug/L		15	07/30/21 13:47	TJJ	EPA 200.8 REV 5.4

**Sample:** EG05581-13**Name:** 14. Hall by 112 - Electric Water Cooler**Alias:** WNS-H112-EWC-6**Sampled:** 07/24/21 06:19**Received:** 07/28/21 11:27**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	280	ug/L		1300	07/30/21 13:48	TJJ	EPA 200.8 REV 5.4
Lead	3.2	ug/L		15	07/30/21 13:48	TJJ	EPA 200.8 REV 5.4



## ANALYTICAL RESULTS

**Sample:** EG05581-14**Name:** 15. Hall by 123 - Electric Water Cooler**Alias:** WNS-H123-EWC-7**Sampled:** 07/24/21 06:16**Received:** 07/28/21 11:27**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	350	ug/L		1300	07/30/21 13:50	TJJ	EPA 200.8 REV 5.4
Lead	4.5	ug/L		15	07/30/21 13:50	TJJ	EPA 200.8 REV 5.4

**Sample:** EG05581-15**Name:** 16. Hall by 101 - Electric Water Cooler**Alias:** WNS-H101-EWC-8**Sampled:** 07/24/21 07:04**Received:** 07/28/21 11:27**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	86	ug/L		1300	07/30/21 13:51	TJJ	EPA 200.8 REV 5.4
Lead	2.2	ug/L		15	07/30/21 13:51	TJJ	EPA 200.8 REV 5.4

**Sample:** EG05581-16**Name:** 17. Hall by 136 - Electric Water Cooler**Alias:** WNS-H136-EWC-9**Sampled:** 07/24/21 06:53**Received:** 07/28/21 11:27**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	190	ug/L		1300	07/30/21 13:53	TJJ	EPA 200.8 REV 5.4
Lead	13	ug/L		15	07/30/21 13:53	TJJ	EPA 200.8 REV 5.4

**Sample:** EG05581-17**Name:** 18. Room 136 - Classroom Faucet**Alias:** WNS-136-CF-30**Sampled:** 07/24/21 07:00**Received:** 07/28/21 11:27**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	150	ug/L		1300	07/30/21 13:54	TJJ	EPA 200.8 REV 5.4
Lead	12	ug/L		15	07/30/21 13:54	TJJ	EPA 200.8 REV 5.4



## ANALYTICAL RESULTS

**Sample:** EG05581-18  
**Name:** 19. Room 137 - Electric Water Cooler  
**Alias:** WNS-137-EWC-10

**Sampled:** 07/24/21 07:01  
**Received:** 07/28/21 11:27  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	60	ug/L		1300	07/30/21 14:03	TJJ	EPA 200.8 REV 5.4
Lead	14	ug/L		15	07/30/21 14:03	TJJ	EPA 200.8 REV 5.4

**Sample:** EG05581-19  
**Name:** 20. Room 135 - Electric Water Cooler  
**Alias:** WNS-135-EWC-11

**Sampled:** 07/24/21 06:55  
**Received:** 07/28/21 11:27  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	170	ug/L		1300	07/30/21 14:05	TJJ	EPA 200.8 REV 5.4
Lead	21	ug/L		**15	07/30/21 14:05	TJJ	EPA 200.8 REV 5.4

**Sample:** EG05581-20  
**Name:** 21. Hall by 125 - Electric Water Cooler  
**Alias:** WNS-H125-EWC-12

**Sampled:** 07/24/21 06:24  
**Received:** 07/28/21 11:27  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	180	ug/L		1300	07/30/21 14:06	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/30/21 14:06	TJJ	EPA 200.8 REV 5.4

**Sample:** EG05581-21  
**Name:** 22. Hall by 130 - Electric Water Cooler  
**Alias:** WNS-H130-EWC-13

**Sampled:** 07/24/21 06:36  
**Received:** 07/28/21 11:27  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	190	ug/L		1300	07/30/21 14:08	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/30/21 14:08	TJJ	EPA 200.8 REV 5.4





## ANALYTICAL RESULTS

**Sample:** EG05581-22**Name:** 23. Room 132 - Electric Water Cooler**Alias:** WNS-132-EWC-14**Sampled:** 07/24/21 06:47**Received:** 07/28/21 11:27**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	260	ug/L		1300	07/30/21 14:09	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/30/21 14:09	TJJ	EPA 200.8 REV 5.4

**Sample:** EG05581-23**Name:** 24. Room 133 - Electric Water Cooler**Alias:** WNS-133-EWC-15**Sampled:** 07/24/21 06:18**Received:** 07/28/21 11:27**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	190	ug/L		1300	07/30/21 14:11	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/30/21 14:11	TJJ	EPA 200.8 REV 5.4

**Sample:** EG05581-24**Name:** 25. Room 131 - Classroom Faucet North**Alias:** WMS-131-CF-1**Sampled:** 07/24/21 06:18**Received:** 07/28/21 11:27**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	240	ug/L		1300	07/30/21 14:12	TJJ	EPA 200.8 REV 5.4
Lead	3.7	ug/L		15	07/30/21 14:12	TJJ	EPA 200.8 REV 5.4

**Sample:** EG05581-25**Name:** 26. Room 131 - Classroom Faucet East**Alias:** WMS-131-CF-2**Sampled:** 07/24/21 00:00**Received:** 07/28/21 11:27**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	160	ug/L		1300	07/30/21 14:14	TJJ	EPA 200.8 REV 5.4
Lead	1.4	ug/L		15	07/30/21 14:14	TJJ	EPA 200.8 REV 5.4



## ANALYTICAL RESULTS

**Sample:** EG05581-26  
**Name:** 27. Room 131 - Classroom Faucet South  
**Alias:** WMS-131-CF-3

**Sampled:** 07/24/21 06:20  
**Received:** 07/28/21 11:27  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	230	ug/L		1300	07/30/21 14:23	TJJ	EPA 200.8 REV 5.4
Lead	12	ug/L		15	07/30/21 14:23	TJJ	EPA 200.8 REV 5.4

**Sample:** EG05581-27  
**Name:** 28. Room 124 - Classroom Faucet North  
**Alias:** WMS-124-CF-4

**Sampled:** 07/24/21 06:22  
**Received:** 07/28/21 11:27  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	160	ug/L		1300	07/30/21 14:24	TJJ	EPA 200.8 REV 5.4
Lead	2.9	ug/L		15	07/30/21 14:24	TJJ	EPA 200.8 REV 5.4

**Sample:** EG05581-28  
**Name:** 29. Room 124 - Classroom Faucet East  
**Alias:** WMS-124-CF-5

**Sampled:** 07/24/21 06:22  
**Received:** 07/28/21 11:27  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	610	ug/L		1300	07/30/21 14:26	TJJ	EPA 200.8 REV 5.4
Lead	8.4	ug/L		15	07/30/21 14:26	TJJ	EPA 200.8 REV 5.4

**Sample:** EG05581-29  
**Name:** 30. Room 124 - Classroom Faucet South  
**Alias:** WMS-124-CF-6

**Sampled:** 07/24/21 06:22  
**Received:** 07/28/21 11:27  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	850	ug/L		1300	07/30/21 14:27	TJJ	EPA 200.8 REV 5.4
Lead	8.0	ug/L		15	07/30/21 14:27	TJJ	EPA 200.8 REV 5.4



## ANALYTICAL RESULTS

**Sample:** EG05581-30  
**Name:** 31. Room 125 - Classroom Faucet North  
**Alias:** WMS-125-CF-7

**Sampled:** 07/24/21 06:30  
**Received:** 07/28/21 11:27  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	200	ug/L		1300	07/30/21 14:29	TJJ	EPA 200.8 REV 5.4
Lead	2.9	ug/L		15	07/30/21 14:29	TJJ	EPA 200.8 REV 5.4

**Sample:** EG05581-31  
**Name:** 32. Room 125 - Classroom Faucet South  
**Alias:** WMS-125-CF-8

**Sampled:** 07/24/21 06:30  
**Received:** 07/28/21 11:27  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	160	ug/L		1300	07/30/21 14:30	TJJ	EPA 200.8 REV 5.4
Lead	1.8	ug/L		15	07/30/21 14:30	TJJ	EPA 200.8 REV 5.4

**Sample:** EG05581-32  
**Name:** 34. Room 126 - Classroom Faucet East  
**Alias:** WMS-126-CF-10

**Sampled:** 07/24/21 06:32  
**Received:** 07/28/21 11:27  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	210	ug/L		1300	07/30/21 14:32	TJJ	EPA 200.8 REV 5.4
Lead	1.1	ug/L		15	07/30/21 14:32	TJJ	EPA 200.8 REV 5.4

**Sample:** EG05581-33  
**Name:** 35. Room 126 - Classroom Faucet West  
**Alias:** WMS-126-CF-11

**Sampled:** 07/24/21 06:32  
**Received:** 07/28/21 11:27  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	200	ug/L		1300	07/30/21 14:33	TJJ	EPA 200.8 REV 5.4
Lead	2.4	ug/L		15	07/30/21 14:33	TJJ	EPA 200.8 REV 5.4



## ANALYTICAL RESULTS

**Sample:** EG05581-34  
**Name:** 36. Room 126 - Classroom Faucet North  
**Alias:** WMS-126-CF-12

**Sampled:** 07/24/21 06:32  
**Received:** 07/28/21 11:27  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	150	ug/L		1300	07/30/21 14:39	TJJ	EPA 200.8 REV 5.4
Lead	2.0	ug/L		15	07/30/21 14:39	TJJ	EPA 200.8 REV 5.4

**Sample:** EG05581-35  
**Name:** 37. Room 126 - Classroom Faucet East  
**Alias:** WMS-126-CF-13

**Sampled:** 07/24/21 06:27  
**Received:** 07/28/21 11:27  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	130	ug/L		1300	07/30/21 14:41	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/30/21 14:41	TJJ	EPA 200.8 REV 5.4

**Sample:** EG05581-36  
**Name:** 38. Room 127 - Classroom Faucet South  
**Alias:** WMS-127-CF-14

**Sampled:** 07/24/21 06:26  
**Received:** 07/28/21 11:27  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	170	ug/L		1300	07/30/21 14:42	TJJ	EPA 200.8 REV 5.4
Lead	5.7	ug/L		15	07/30/21 14:42	TJJ	EPA 200.8 REV 5.4

**Sample:** EG05581-37  
**Name:** 39. Room 127 - Classroom Faucet West  
**Alias:** WMS-127-CF-14

**Sampled:** 07/24/21 06:26  
**Received:** 07/28/21 11:27  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	290	ug/L		1300	07/30/21 14:44	TJJ	EPA 200.8 REV 5.4
Lead	3.6	ug/L		15	07/30/21 14:44	TJJ	EPA 200.8 REV 5.4



## ANALYTICAL RESULTS

**Sample:** EG05581-38  
**Name:** 40. Room 128 - Classroom Faucet North  
**Alias:** WMS-128-CF-16

**Sampled:** 07/24/21 06:39  
**Received:** 07/28/21 11:27  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	170	ug/L		1300	07/30/21 14:45	TJJ	EPA 200.8 REV 5.4
Lead	2.8	ug/L		15	07/30/21 14:45	TJJ	EPA 200.8 REV 5.4

**Sample:** EG05581-39  
**Name:** 41. Room 128 - Classroom Faucet West  
**Alias:** WMS-128-CF-17

**Sampled:** 07/24/21 06:39  
**Received:** 07/28/21 11:27  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	200	ug/L		1300	07/30/21 14:47	TJJ	EPA 200.8 REV 5.4
Lead	1.3	ug/L		15	07/30/21 14:47	TJJ	EPA 200.8 REV 5.4

**Sample:** EG05581-40  
**Name:** 42. Room 128 - Classroom Faucet East  
**Alias:** WMS-128-CF-18

**Sampled:** 07/24/21 06:39  
**Received:** 07/28/21 11:27  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	160	ug/L		1300	07/30/21 14:48	TJJ	EPA 200.8 REV 5.4
Lead	2.6	ug/L		15	07/30/21 14:48	TJJ	EPA 200.8 REV 5.4

**Sample:** EG05581-41  
**Name:** 44. Room 129 - Classroom Faucet East  
**Alias:** WMS-129-CF-20

**Sampled:** 07/24/21 06:44  
**Received:** 07/28/21 11:27  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	140	ug/L		1300	07/30/21 14:50	TJJ	EPA 200.8 REV 5.4
Lead	1.6	ug/L		15	07/30/21 14:50	TJJ	EPA 200.8 REV 5.4



## ANALYTICAL RESULTS

**Sample:** EG05581-42  
**Name:** 45. Room 129 - Classroom Faucet West  
**Alias:** WMS-129-CF-21

**Sampled:** 07/24/21 06:44  
**Received:** 07/28/21 11:27  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	210	ug/L		1300	07/30/21 14:51	TJJ	EPA 200.8 REV 5.4
Lead	2.1	ug/L		15	07/30/21 14:51	TJJ	EPA 200.8 REV 5.4

**Sample:** EG05581-43  
**Name:** 46. Room 129 - Classroom Faucet South  
**Alias:** WMS-129-CF-22

**Sampled:** 07/24/21 06:44  
**Received:** 07/28/21 11:27  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	120	ug/L		1300	07/30/21 14:53	TJJ	EPA 200.8 REV 5.4
Lead	2.3	ug/L		15	07/30/21 14:53	TJJ	EPA 200.8 REV 5.4

**Sample:** EG05581-44  
**Name:** 47. Room 130 - Classroom Faucet North  
**Alias:** WMS-130-CF-23

**Sampled:** 07/24/21 06:39  
**Received:** 07/28/21 11:27  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	270	ug/L		1300	07/30/21 15:02	TJJ	EPA 200.8 REV 5.4
Lead	7.8	ug/L		15	07/30/21 15:02	TJJ	EPA 200.8 REV 5.4

**Sample:** EG05581-45  
**Name:** 48. Room 130 - Classroom Faucet East  
**Alias:** WMS-130-CF-24

**Sampled:** 07/24/21 06:39  
**Received:** 07/28/21 11:27  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	220	ug/L		1300	07/30/21 15:03	TJJ	EPA 200.8 REV 5.4
Lead	3.2	ug/L		15	07/30/21 15:03	TJJ	EPA 200.8 REV 5.4



## ANALYTICAL RESULTS

**Sample:** EG05581-46  
**Name:** 49. Room 130 - Classroom Faucet South  
**Alias:** WMS-130-CF-25

**Sampled:** 07/24/21 06:39  
**Received:** 07/28/21 11:27  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	280	ug/L		1300	07/30/21 15:05	TJJ	EPA 200.8 REV 5.4
Lead	20	ug/L		**15	07/30/21 15:05	TJJ	EPA 200.8 REV 5.4

**Sample:** EG05581-47  
**Name:** 51. Room 111 - Classroom Faucet  
**Alias:** WMS-111-CF-27

**Sampled:** 07/24/21 06:18  
**Received:** 07/28/21 11:27  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	160	ug/L		1300	07/30/21 15:06	TJJ	EPA 200.8 REV 5.4
Lead	1.3	ug/L		15	07/30/21 15:06	TJJ	EPA 200.8 REV 5.4

**Sample:** EG05581-48  
**Name:** 54. Boys Locker Room - Electric Water Cooler  
**Alias:** WMS-BLR-EWC-16

**Sampled:** 07/24/21 06:58  
**Received:** 07/28/21 11:27  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	180	ug/L		1300	07/30/21 15:08	TJJ	EPA 200.8 REV 5.4
Lead	2.0	ug/L		15	07/30/21 15:08	TJJ	EPA 200.8 REV 5.4

**Sample:** EG05581-49  
**Name:** 55. Girls Locker Room - Electric Water Cooler  
**Alias:** WMS-GLR-EWC-17

**Sampled:** 07/24/21 07:01  
**Received:** 07/28/21 11:27  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	230	ug/L		1300	07/30/21 15:09	TJJ	EPA 200.8 REV 5.4
Lead	19	ug/L		**15	07/30/21 15:09	TJJ	EPA 200.8 REV 5.4



## ANALYTICAL RESULTS

**Sample:** EG05581-50  
**Name:** 56. Room 134 Orchestra - Classroom Faucet  
**Alias:** WMS-134-CF-30

**Sampled:** 07/24/21 07:08  
**Received:** 07/28/21 11:27  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	150	ug/L		1300	07/30/21 15:11	TJJ	EPA 200.8 REV 5.4
Lead	72	ug/L		**15	07/30/21 15:11	TJJ	EPA 200.8 REV 5.4

**Sample:** EG05581-51  
**Name:** 57. Cafeteria - Electric Water Cooler.  
**Alias:** WMS-CAF-EWC-18

**Sampled:** 07/24/21 07:34  
**Received:** 07/28/21 11:27  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	230	ug/L		1300	07/30/21 15:12	TJJ	EPA 200.8 REV 5.4
Lead	7.8	ug/L		15	07/30/21 15:12	TJJ	EPA 200.8 REV 5.4

**Sample:** EG05581-52  
**Name:** 17. Hall by 136 - Electric Water Cooler  
**Alias:** WNS-H136-EWC-9

**Sampled:** 07/24/21 06:16  
**Received:** 07/28/21 11:27  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	92	ug/L		1300	07/30/21 15:21	TJJ	EPA 200.8 REV 5.4
Lead	4.9	ug/L		15	07/30/21 15:21	TJJ	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





## CHAIN OF CUSTODY RECORD

STATE WHERE SAMPLE COLLECTED MO

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

Page 19 of 21

Location:	West Middle School
Sample Date:	7/24/2021
Sample Time:	Various
Sampled By:	Josh Lehmen and Derek Brester

Sample No.	Coding System	Description	Sample Collected
1	WMS-__-KF-1	Kitchen - Faucet Southwest	7:32 AM
2	WMS-__-KF-2	Kitchen - Faucet Southeast	7:32 AM
3	WMS-__-KF-3	Kitchen - Faucet Center	7:32 AM
4	WMS-229-FACSF-1	Room 229 - Faucet North	7:27 AM
5	WMS-229-FACSF-2	Room 229 - Faucet East	7:27 AM
6	WMS-229-FACSF-3	Room 229 - Faucet South	7:27 AM
7	WMS-H227-EWC-1	Hall by 227 - Electric Water Cooler	7:25 AM
8	WMS-221-TLF-1	Room 221 - Faucet	7:27 AM
9	WMS-H222-EWC-2	Hall by 222 - Electric Water Cooler	7:19 AM
10	WMS-222-NSF-1	Nurses Office - Faucet	7:20 AM
11	WNS-H212-EWC-3	Hall by 212 - Electric Water Cooler	7:15 AM
12	WNS-H211-EWC-4	Hall by 211 - Electric Water Cooler - WATER OFF	No
13	WNS-H107-EWC-5	Hall by 107 - Electric Water Cooler	6:16 AM
14	WNS-H112-EWC-6	Hall by 112 - Electric Water Cooler	6:19 AM
15	WNS-H123-EWC-7	Hall by 123 - Electric Water Cooler	6:16 AM
16	WNS-H101-EWC-8	Hall by 101 - Electric Water Cooler	7:04 AM
17	WNS-H136-EWC-9	Hall by 136 - Electric Water Cooler	6:53 AM
18	WNS-136-CF-30	Room 136 - Classroom Faucet	7:00 AM
19	WNS-137-EWC-10	Room 137 - Electric Water Cooler	7:01 AM
20	WNS-135-EWC-11	Room 135 - Electric Water Cooler	6:55 AM
21	WNS-H125-EWC-12	Hall by 125 - Electric Water Cooler	6:24 AM
22	WNS-H130-EWC-13	Hall by 130 - Electric Water Cooler	6:36 AM
23	WNS-132-EWC-14	Room 132 - Electric Water Cooler	6:47 AM
24	WNS-133-EWC-15	Room 133 - Electric Water Cooler	6:18 AM
25	WMS-131-CF-1	Room 131 - Classroom Faucet North	6:18 AM
26	WMS-131-CF-2	Room 131 - Classroom Faucet East	12:00 AM
27	WMS-131-CF-3	Room 131 - Classroom Faucet South	6:20 AM
28	WMS-124-CF-4	Room 124 - Classroom Faucet North	6:22 AM
29	WMS-124-CF-5	Room 124 - Classroom Faucet East	6:22 AM
30	WMS-124-CF-6	Room 124 - Classroom Faucet South	6:22 AM
31	WMS-125-CF-7	Room 125 - Classroom Faucet North	6:30 AM
32	WMS-125-CF-8	Room 125 - Classroom Faucet South	6:30 AM
33	WMS-125-CF-9	Room 125 - Classroom Faucet - Sink Blocked	No
34	WMS-126-CF-10	Room 126 - Classroom Faucet East	6:32 AM
35	WMS-126-CF-11	Room 126 - Classroom Faucet West	6:32 AM
36	WMS-126-CF-12	Room 126 - Classroom Faucet North	6:32 AM
37	WMS-126-CF-13	Room 126 - Classroom Faucet East	6:27 AM
38	WMS-127-CF-14	Room 127 - Classroom Faucet South	6:26 AM
39	WMS-127-CF-15	Room 127 - Classroom Faucet West	6:26 AM
40	WMS-128-CF-16	Room 128 - Classroom Faucet North	6:39 AM

41	WMS-128-CF-17	Room 128 - Classroom Faucet West	6:39 AM
42	WMS-128-CF-18	Room 128 - Classroom Faucet East	6:39 AM
43	WMS-128-CF-19	Room 128 - Classroom Faucet - Only 3 Sinks	No
44	WMS-129-CF-20	Room 129 - Classroom Faucet East	6:44 AM
45	WMS-129-CF-21	Room 129 - Classroom Faucet West	6:44 AM
46	WMS-129-CF-22	Room 129 - Classroom Faucet South	6:44 AM
47	WMS-130-CF-23	Room 130 - Classroom Faucet North	6:39 AM
48	WMS-130-CF-24	Room 130 - Classroom Faucet East	6:39 AM
49	WMS-130-CF-25	Room 130 - Classroom Faucet South	6:39 AM
50	WMS-130-CF-26	Room 130 - Classroom Faucet - Only 3 Sinks	No
51	WMS-111-CF-27	Room 111 - Classroom Faucet	6:18 AM
52	WMS-123-CF-28	Room 123 - Classroom Faucet - WATER OFF	No
53	WMS-123-CF-29	Room 123 - Classroom Faucet - WATER OFF	No
54	WMS-BLR-EWC-16	Boys Locker Room - Electric Water Cooler	6:58 AM
55	WMS-GLR-EWC-17	Girls Locker Room - Electrc Water cooler	7:01 AM
56	WMS-134-CF-30	Room 134 Orchestra - Classroom Faucet	7:08 AM
57	WMS-CAF-EWC-18	Cafeteria - Electric Water Cooler	7:34 AM



## FIRST FLUSH RESAMPLE

## ANALYTICAL RESULTS

**Sample:** EL04058-AR  
**Name:** 20. Room 135 - Electric Water Cooler  
**Alias:** WNS-135-EWC-11

**Sampled:** 12/09/21 05:41  
**Received:** 12/20/21 15:10  
**Matrix:** Drinking Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>									
Copper	170	ug/L		01/06/22 09:26	1	3.0	01/06/22 14:56	KMC	EPA 200.8 REV 5.4
Lead	16	ug/L		01/06/22 09:26	1	1.0	01/06/22 14:56	KMC	EPA 200.8 REV 5.4

**Sample:** EL04058-AS  
**Name:** 49. Room 130 - Classroom Faucet South  
**Alias:** WMS-130-CF-25

**Sampled:** 12/09/21 05:45  
**Received:** 12/20/21 15:10  
**Matrix:** Drinking Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>									
Copper	320	ug/L		01/06/22 09:26	1	3.0	01/06/22 14:58	KMC	EPA 200.8 REV 5.4
Lead	1.3	ug/L		01/06/22 09:26	1	1.0	01/06/22 14:58	KMC	EPA 200.8 REV 5.4

**Sample:** EL04058-AT  
**Name:** 55. Girls Locker Room - Electric Water Cooler  
**Alias:** WMS-GLR-EWC-17

**Sampled:** 12/09/21 05:40  
**Received:** 12/20/21 15:10  
**Matrix:** Drinking Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>									
Copper	100	ug/L		01/06/22 09:26	1	3.0	01/06/22 14:59	KMC	EPA 200.8 REV 5.4
Lead	3.0	ug/L		01/06/22 09:26	1	1.0	01/06/22 14:59	KMC	EPA 200.8 REV 5.4

**Sample:** EL04058-AU  
**Name:** 56. Room 134 Orchestra - Classroom Faucet  
**Alias:** WMS-137-CF-30

**Sampled:** 12/09/21 05:47  
**Received:** 12/20/21 15:10  
**Matrix:** Drinking Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>									
Copper	170	ug/L		01/06/22 09:26	1	3.0	01/06/22 15:01	KMC	EPA 200.8 REV 5.4
Lead	74	ug/L		01/06/22 09:26	1	1.0	01/06/22 15:01	KMC	EPA 200.8 REV 5.4



Pace Analytical Services, LLC

2231 W. Altorfer Drive

Peoria, IL 61615

(800)752-6651

April 07, 2022

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

RE: L14571

Dear Josh Lehmen:

Please find enclosed the analytical results for the **2** sample(s) the laboratory received on **4/5/22 2:50 pm** and logged in under work order **FD00512**. 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 Pace Analytical Services, LLC.

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

Pace Analytical Services 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 [lisa.grant@pacelabs.com](mailto:lisa.grant@pacelabs.com).

A handwritten signature in black ink that reads 'Erin M. Lane'.

Erin Lane  
Project Manager  
(309)683-1767  
[erin.lane@pacelabs.com](mailto:erin.lane@pacelabs.com)

**SAMPLE RECEIPT CHECK LIST**

Items not applicable will be marked as in compliance

---

Work Order      FD00512

---

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
NO	Date & time collected recorded on COC
YES	Relinquished by client signature on COC
YES	COC & labels match
YES	Sample labels are legible
NO	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
YES	Case narrative provided



## ANALYTICAL RESULTS

**Sample:** FD00512-02

**Name:** Room 134 Orchestra - Classroom Faucet

**Alias:** WMS 56

**Sampled:** 03/31/22 12:14

**Received:** 04/05/22 14:50

**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>									
Copper	88	ug/L		04/06/22 09:32	1	3.0	04/06/22 15:55	KMC	EPA 200.8 REV 5.4
Lead	15	ug/L		04/06/22 09:32	1	1.0	04/06/22 15:55	KMC	EPA 200.8 REV 5.4





## NOTES

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

\* Not a TNI accredited analyte

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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



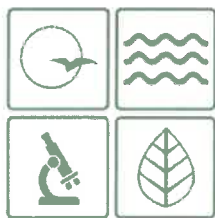
## CHAIN OF CUSTODY RECORD

STATE WHERE SAMPLE COLLECTED MO

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

QUALTRAX 3219 REV 5

School Name	School Abbreviation	Sample Number	Description
HICKMAN HIGH SCHOOL	HHS	58	Room 208 - Classroom Faucet North
HICKMAN HIGH SCHOOL	HHS	60	Room 208 - Classroom Faucet South
HICKMAN HIGH SCHOOL	HHS	65	Room 212 - Classroom Faucet West
HICKMAN HIGH SCHOOL	HHS	66	Room 212 - Classroom Faucet Teacher Desk
HICKMAN HIGH SCHOOL	HHS	68	Room 213 - Classroom Faucet Teacher Desk
HICKMAN HIGH SCHOOL	HHS	73	Room 214 - Office Faucet
HICKMAN HIGH SCHOOL	HHS	76	Room 220 - Classroom Faucet North
HICKMAN HIGH SCHOOL	HHS	78	Room 220 - Office Faucet
HICKMAN HIGH SCHOOL	HHS	84	Room 50 - Classroom Faucet
HICKMAN HIGH SCHOOL	HHS	90	Room 117 - Classroom Faucet North
HICKMAN HIGH SCHOOL	HHS	92	Room 117 - Classroom Faucet South
HICKMAN HIGH SCHOOL	HHS	99	Room 112- Classroom Faucet Center
HICKMAN HIGH SCHOOL	HHS	102	Room 112- Classroom Faucet Workbench
HICKMAN HIGH SCHOOL	HHS	103	Room 110 - Classroom Faucet
HICKMAN HIGH SCHOOL	HHS	104	Room 109- Office Faucet
FIELD ELEMENTARY SCHOOL	FLD	19	Room 301 - Classroom Faucet
West Middle School <i>did not receive</i>	WMS	20	Room 135 - Electric Water Cooler
West Middle School <i>12:14</i>	WMS	56	Room 134 Orchestra - Classroom Faucet
ELIOT BATTLE ELEMENTARY SCHOOL	EBES	1	Kitchen Faucet Room 124
ELIOT BATTLE ELEMENTARY SCHOOL	EBES	51	Classroom Faucet 339
WEST BOULEVARD ELEMENTARY	WBE	22	Room 203 - Classroom Faucet
ROCK BRIDGE ELEMENTARY SCHOOL	RBE	14	Room 138 - Drinking Water Fountain
ROCK BRIDGE ELEMENTARY SCHOOL	RBE	19	Room 212 - Classroom Faucet
ROCK BRIDGE ELEMENTARY SCHOOL	RBE	21	Room 215 - Classroom Faucet
ROCK BRIDGE ELEMENTARY SCHOOL	RBE	24	Room 213 - Classroom Faucet
ROCK BRIDGE ELEMENTARY SCHOOL	RBE	26	Room 220 - Classroom Faucet
ROCK BRIDGE ELEMENTARY SCHOOL	RBE	28	Main Hallway - Electric Water Cooler
ROCK BRIDGE ELEMENTARY SCHOOL	RBE	29	Room 106 - Classroom Faucet
ROCK BRIDGE ELEMENTARY SCHOOL	RBE	30	Room 100F Nurse Office Faucet
ROCK BRIDGE ELEMENTARY SCHOOL	RBE	31	Room 100F Nurse Bathroom Faucet
ROCK BRIDGE ELEMENTARY SCHOOL	RBE	32	Work Room 100C Faucet
ROCK BRIDGE ELEMENTARY SCHOOL	RBE	33	Work Room 100 C Bathroom Faucet
ROCK BRIDGE ELEMENTARY SCHOOL	RBE	34	Hallway Room 100F - Electric Water Cooler
ROCK BRIDGE ELEMENTARY SCHOOL	RBE	35	Room 302 - Classroom Faucet
ROCK BRIDGE ELEMENTARY SCHOOL	RBE	36	Room 301 - Classroom Faucet
ROCK BRIDGE ELEMENTARY SCHOOL	RBE	37	Room 304 - Classroom Faucet
ROCK BRIDGE ELEMENTARY SCHOOL	RBE	38	Room 308 - Classroom Faucet
ROCK BRIDGE ELEMENTARY SCHOOL	RBE	39	Room 309 - Classroom Faucet
ROCK BRIDGE ELEMENTARY SCHOOL	RBE	40	Room 310 - Classroom Faucet
ROCK BRIDGE ELEMENTARY SCHOOL	RBE	41	Room 311 - Classroom Faucet



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 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

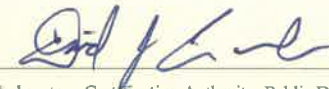
**Pace Analytical Services, LLC – Peoria, Illinois**

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