



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

DATE: JANUARY 6, 2022

FACILITY NAME: **BLUE RIDGE ELEMENTARY SCHOOL**

**A. SAMPLE COLLECTION**

- |  |        |
|--|--------|
| 1. NUMBER OF SAMPLES COLLECTED AT THIS FACILITY  | 37     |
| 2. PERCENTAGE OF SAMPLES BELOW COPPER ACTION LIMITS  | 100.0% |
| 1. COPPER ACTION LIMIT = 1,300 UG/   |        |
| 3. PERCENTAGE OF SAMPLES BELOW LEAD ACTION LIMITS  | 100.0% |
| 1. LEAD ACTION LIMIT = 15 UG/L   |        |
| (The requirement in the USEPA Lead and Copper Rule for public water supplies is 90% passing) |        |

**B. SAMPLE EXCEEDANCE**

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

**C. CONCLUSION**

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

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

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

Prepared By:

Joshua D. Lehmen, PE



August 13, 2021

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

RE: L14571 Blue Ridge ES

Dear Josh Lehmen:

Please find enclosed the analytical results for the **37** sample(s) the laboratory received on **7/22/21 7:00 pm** and logged in under work order **EG04725**. 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      EG04725

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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
NO	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:** EG04725-01  
**Name:** 1. Nurses Office  
**Alias:** BRE-NSF-1

**Sampled:** 07/19/21 06:00  
**Received:** 07/22/21 19:00  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	77	ug/L		1300	07/26/21 13:09	TJJ	EPA 200.8 REV 5.4
Lead	6.5	ug/L		15	07/26/21 13:09	TJJ	EPA 200.8 REV 5.4

**Sample:** EG04725-02  
**Name:** 2. Front Office  
**Alias:** BRE-CF-1

**Sampled:** 07/19/21 06:01  
**Received:** 07/22/21 19:00  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	190	ug/L		1300	07/26/21 13:11	TJJ	EPA 200.8 REV 5.4
Lead	3.5	ug/L		15	07/26/21 13:11	TJJ	EPA 200.8 REV 5.4

**Sample:** EG04725-03  
**Name:** 3. Hall by 110 - Electric Water Cooler in Hallway  
**Alias:** BRE-EWC-1

**Sampled:** 07/19/21 06:03  
**Received:** 07/22/21 19:00  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	160	ug/L		1300	07/26/21 13:12	TJJ	EPA 200.8 REV 5.4
Lead	1.3	ug/L		15	07/26/21 13:12	TJJ	EPA 200.8 REV 5.4

**Sample:** EG04725-04  
**Name:** 4. Room 103 - Cafeteria Electric Water Cooler  
**Alias:** BRE-EWC-2

**Sampled:** 07/19/21 06:05  
**Received:** 07/22/21 19:00  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	210	ug/L		1300	07/26/21 13:14	TJJ	EPA 200.8 REV 5.4
Lead	2.2	ug/L		15	07/26/21 13:14	TJJ	EPA 200.8 REV 5.4



## ANALYTICAL RESULTS

**Sample:** EG04725-05**Name:** 5. Room 104 - Electric Water Cooler in Hallway**Alias:** BRE-EWC-4**Sampled:** 07/19/21 06:07**Received:** 07/22/21 19:00**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	70	ug/L		1300	07/26/21 13:31	TJJ	EPA 200.8 REV 5.4
Lead	4.6	ug/L		15	07/26/21 13:31	TJJ	EPA 200.8 REV 5.4

**Sample:** EG04725-06**Name:** 6. Kitchen - East Prep Sink**Alias:** BRE-KF-1**Sampled:** 07/19/21 06:08**Received:** 07/22/21 19:00**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	100	ug/L		1300	07/26/21 13:33	TJJ	EPA 200.8 REV 5.4
Lead	4.5	ug/L		15	07/26/21 13:33	TJJ	EPA 200.8 REV 5.4

**Sample:** EG04725-07**Name:** 7. Kitchen - West Prep Sink**Alias:** BRE-KF-2**Sampled:** 07/19/21 06:10**Received:** 07/22/21 19:00**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	160	ug/L		1300	07/26/21 13:34	TJJ	EPA 200.8 REV 5.4
Lead	4.6	ug/L		15	07/26/21 13:34	TJJ	EPA 200.8 REV 5.4

**Sample:** EG04725-08**Name:** 8. Room 106 - Drinking Water Fountain**Alias:** BRE-DWF-6**Sampled:** 07/19/21 06:11**Received:** 07/22/21 19:00**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	71	ug/L		1300	07/26/21 13:36	TJJ	EPA 200.8 REV 5.4
Lead	3.2	ug/L		15	07/26/21 13:36	TJJ	EPA 200.8 REV 5.4



## ANALYTICAL RESULTS

**Sample:** EG04725-09  
**Name:** 9. Room 106 - Restroom Faucet  
**Alias:** BRE-RRF-7

**Sampled:** 07/19/21 06:12  
**Received:** 07/22/21 19:00  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	53	ug/L		1300	07/26/21 13:37	TJJ	EPA 200.8 REV 5.4
Lead	1.6	ug/L		15	07/26/21 13:37	TJJ	EPA 200.8 REV 5.4

**Sample:** EG04725-10  
**Name:** 10. Room 108 - Classroom Faucet  
**Alias:** BRE-CF-9

**Sampled:** 07/19/21 06:12  
**Received:** 07/22/21 19:00  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	130	ug/L		1300	07/26/21 13:39	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/26/21 13:39	TJJ	EPA 200.8 REV 5.4

**Sample:** EG04725-11  
**Name:** 11. Room 109 - Drinking Water Fountain  
**Alias:** BRE-DWF-10

**Sampled:** 07/19/21 06:15  
**Received:** 07/22/21 19:00  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	88	ug/L		1300	07/26/21 13:40	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/26/21 13:40	TJJ	EPA 200.8 REV 5.4

**Sample:** EG04725-12  
**Name:** 12. Room 110 - Classroom Faucet  
**Alias:** BRE-CF-2

**Sampled:** 07/19/21 06:17  
**Received:** 07/22/21 19:00  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	100	ug/L		1300	07/26/21 13:42	TJJ	EPA 200.8 REV 5.4
Lead	6.3	ug/L		15	07/26/21 13:42	TJJ	EPA 200.8 REV 5.4



## ANALYTICAL RESULTS

**Sample:** EG04725-13  
**Name:** 13. Room 128 - Drinking Water Fountain  
**Alias:** BRE-DWF-12

**Sampled:** 07/19/21 06:19  
**Received:** 07/22/21 19:00  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	77	ug/L		1300	07/26/21 13:51	TJJ	EPA 200.8 REV 5.4
Lead	2.3	ug/L		15	07/26/21 13:51	TJJ	EPA 200.8 REV 5.4

**Sample:** EG04725-14  
**Name:** 14. Room 126 - Classroom Faucet  
**Alias:** BRE-CF-14

**Sampled:** 07/19/21 06:21  
**Received:** 07/22/21 19:00  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	83	ug/L		1300	07/26/21 13:52	TJJ	EPA 200.8 REV 5.4
Lead	8.6	ug/L		15	07/26/21 13:52	TJJ	EPA 200.8 REV 5.4

**Sample:** EG04725-15  
**Name:** 15. Room 124 - Classroom Faucet  
**Alias:** BRE-CF-15

**Sampled:** 07/19/21 06:22  
**Received:** 07/22/21 19:00  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	81	ug/L		1300	07/26/21 13:54	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/26/21 13:54	TJJ	EPA 200.8 REV 5.4

**Sample:** EG04725-16  
**Name:** 16. Room 122 - Drinking Water Fountain  
**Alias:** BRE-DWF-16

**Sampled:** 07/19/21 06:23  
**Received:** 07/22/21 19:00  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	73	ug/L		1300	07/26/21 13:55	TJJ	EPA 200.8 REV 5.4
Lead	1.5	ug/L		15	07/26/21 13:55	TJJ	EPA 200.8 REV 5.4



## ANALYTICAL RESULTS

**Sample:** EG04725-17  
**Name:** 17. Room 118 - Drinking Water Fountain  
**Alias:** BRE-DWF-20

**Sampled:** 07/19/21 06:29  
**Received:** 07/22/21 19:00  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	74	ug/L		1300	07/26/21 13:57	TJJ	EPA 200.8 REV 5.4
Lead	3.5	ug/L		15	07/26/21 13:57	TJJ	EPA 200.8 REV 5.4

**Sample:** EG04725-18  
**Name:** 18. Room 114 - Drinking Water Fountain  
**Alias:** BRE-DWF-25

**Sampled:** 07/19/21 06:31  
**Received:** 07/22/21 19:00  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	89	ug/L		1300	07/26/21 13:58	TJJ	EPA 200.8 REV 5.4
Lead	4.5	ug/L		15	07/26/21 13:58	TJJ	EPA 200.8 REV 5.4

**Sample:** EG04725-19  
**Name:** 19. Room 120 - Classroom Faucet  
**Alias:** BRE-CF-120

**Sampled:** 07/19/21 06:31  
**Received:** 07/22/21 19:00  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	150	ug/L		1300	07/26/21 14:00	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/26/21 14:00	TJJ	EPA 200.8 REV 5.4

**Sample:** EG04725-20  
**Name:** 20. Room 136 - Classroom Faucet  
**Alias:** BRE-CF-136

**Sampled:** 07/19/21 06:32  
**Received:** 07/22/21 19:00  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	110	ug/L		1300	07/26/21 14:01	TJJ	EPA 200.8 REV 5.4
Lead	7.8	ug/L		15	07/26/21 14:01	TJJ	EPA 200.8 REV 5.4





## ANALYTICAL RESULTS

**Sample:** EG04725-21  
**Name:** 21. Room 140 - Classroom Faucet  
**Alias:** BRE-CF-140

**Sampled:** 07/19/21 06:33  
**Received:** 07/22/21 19:00  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	100	ug/L		1300	07/26/21 14:10	TJJ	EPA 200.8 REV 5.4
Lead	2.3	ug/L		15	07/26/21 14:10	TJJ	EPA 200.8 REV 5.4

**Sample:** EG04725-22  
**Name:** 22. Room 142 - Classroom Faucet  
**Alias:** BRE-CF-142

**Sampled:** 07/19/21 06:36  
**Received:** 07/22/21 19:00  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	110	ug/L		1300	07/26/21 14:12	TJJ	EPA 200.8 REV 5.4
Lead	2.3	ug/L		15	07/26/21 14:12	TJJ	EPA 200.8 REV 5.4

**Sample:** EG04725-23  
**Name:** 23. Room 146- Classroom Faucet  
**Alias:** BRE-CF-146

**Sampled:** 07/19/21 06:37  
**Received:** 07/22/21 19:00  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	140	ug/L		1300	07/26/21 14:13	TJJ	EPA 200.8 REV 5.4
Lead	2.9	ug/L		15	07/26/21 14:13	TJJ	EPA 200.8 REV 5.4

**Sample:** EG04725-24  
**Name:** 24. Room 150 - Classroom Faucet  
**Alias:** BRE-CF-150

**Sampled:** 07/19/21 06:38  
**Received:** 07/22/21 19:00  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	82	ug/L		1300	07/26/21 14:15	TJJ	EPA 200.8 REV 5.4
Lead	1.5	ug/L		15	07/26/21 14:15	TJJ	EPA 200.8 REV 5.4



## ANALYTICAL RESULTS

**Sample:** EG04725-25  
**Name:** 25. Room 152 - Classroom Faucet  
**Alias:** BRE-CF-152

**Sampled:** 07/19/21 06:39  
**Received:** 07/22/21 19:00  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	83	ug/L		1300	07/26/21 14:16	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/26/21 14:16	TJJ	EPA 200.8 REV 5.4

**Sample:** EG04725-26  
**Name:** 26. Room 156 - Classroom Faucet  
**Alias:** BRE-CF-156

**Sampled:** 07/19/21 06:40  
**Received:** 07/22/21 19:00  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	150	ug/L		1300	07/26/21 14:18	TJJ	EPA 200.8 REV 5.4
Lead	5.2	ug/L		15	07/26/21 14:18	TJJ	EPA 200.8 REV 5.4

**Sample:** EG04725-27  
**Name:** 27. Room 156 - Electric Water Cooler in Hallway  
**Alias:** BRE-EWC-156

**Sampled:** 07/19/21 06:41  
**Received:** 07/22/21 19:00  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	120	ug/L		1300	07/26/21 14:19	TJJ	EPA 200.8 REV 5.4
Lead	1.2	ug/L		15	07/26/21 14:19	TJJ	EPA 200.8 REV 5.4

**Sample:** EG04725-28  
**Name:** 28. Room 158 - Classroom Faucet  
**Alias:** BRE-CF-158

**Sampled:** 07/19/21 06:42  
**Received:** 07/22/21 19:00  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	200	ug/L		1300	07/26/21 14:21	TJJ	EPA 200.8 REV 5.4
Lead	1.3	ug/L		15	07/26/21 14:21	TJJ	EPA 200.8 REV 5.4



## ANALYTICAL RESULTS

**Sample:** EG04725-29  
**Name:** 29. Room 166 - Classroom Faucet  
**Alias:** BRE-CF-166

**Sampled:** 07/19/21 06:43  
**Received:** 07/22/21 19:00  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	110	ug/L		1300	07/26/21 14:30	TJJ	EPA 200.8 REV 5.4
Lead	2.2	ug/L		15	07/26/21 14:30	TJJ	EPA 200.8 REV 5.4

**Sample:** EG04725-30  
**Name:** 30. Room 168 - Classroom Faucet  
**Alias:** BRE-CF-168

**Sampled:** 07/19/21 06:45  
**Received:** 07/22/21 19:00  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	150	ug/L		1300	07/26/21 14:31	TJJ	EPA 200.8 REV 5.4
Lead	5.9	ug/L		15	07/26/21 14:31	TJJ	EPA 200.8 REV 5.4

**Sample:** EG04725-31  
**Name:** 31. Room 168 - Electric Water Cooler in Hallway  
**Alias:** BRE-EWC-168

**Sampled:** 07/19/21 06:46  
**Received:** 07/22/21 19:00  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	310	ug/L		1300	07/26/21 14:33	TJJ	EPA 200.8 REV 5.4
Lead	1.5	ug/L		15	07/26/21 14:33	TJJ	EPA 200.8 REV 5.4

**Sample:** EG04725-32  
**Name:** 32. Room 172 - Classroom Faucet  
**Alias:** BRE-CF-172

**Sampled:** 07/19/21 06:43  
**Received:** 07/22/21 19:00  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	79	ug/L		1300	07/26/21 14:34	TJJ	EPA 200.8 REV 5.4
Lead	1.5	ug/L		15	07/26/21 14:34	TJJ	EPA 200.8 REV 5.4



## ANALYTICAL RESULTS

**Sample:** EG04725-33  
**Name:** 33. Room 124 - Classroom Faucet  
**Alias:** BRE-CF-174

**Sampled:** 07/19/21 06:44  
**Received:** 07/22/21 19:00  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	82	ug/L		1300	07/26/21 14:36	TJJ	EPA 200.8 REV 5.4
Lead	1.0	ug/L		15	07/26/21 14:36	TJJ	EPA 200.8 REV 5.4

**Sample:** EG04725-34  
**Name:** 34. Room 124 - Classroom Faucet  
**Alias:** BRE-CF-176

**Sampled:** 07/19/21 06:50  
**Received:** 07/22/21 19:00  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	49	ug/L		1300	07/26/21 14:37	TJJ	EPA 200.8 REV 5.4
Lead	4.1	ug/L		15	07/26/21 14:37	TJJ	EPA 200.8 REV 5.4

**Sample:** EG04725-35  
**Name:** 35. Room 124 - Classroom Faucet  
**Alias:** BRE-CF-178

**Sampled:** 07/19/21 06:49  
**Received:** 07/22/21 19:00  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	60	ug/L		1300	07/26/21 14:39	TJJ	EPA 200.8 REV 5.4
Lead	2.4	ug/L		15	07/26/21 14:39	TJJ	EPA 200.8 REV 5.4

**Sample:** EG04725-36  
**Name:** 36. Room 125 - Electric Water Cooler in Hallway  
**Alias:** BRE-EWC-125

**Sampled:** 07/19/21 06:52  
**Received:** 07/22/21 19:00  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	140	ug/L		1300	07/26/21 14:40	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/26/21 14:40	TJJ	EPA 200.8 REV 5.4



## ANALYTICAL RESULTS

**Sample:** EG04725-37**Name:** 37. Room 125 - Teacher's Lounge Faucet**Alias:** BRE-TLF-125**Sampled:** 07/19/21 06:58**Received:** 07/22/21 19:00**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b><u>Total Metals - PIA</u></b>							
Copper	130	ug/L		1300	07/26/21 14:50	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/26/21 14:50	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)**

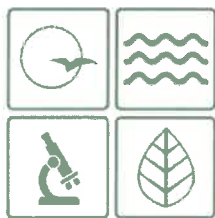
31212024



Location:	Blue Ridge Elementary School
Sample Date:	7/19/2021
Sample Time:	6:00 a.m. to 7:00 a.m.
Sampled By:	Josh Lehmen Kyle Vidusic

Sample No.	Coding System	Description	Sample Collected
6000 1	BRE-NSF-1	Nurses Office	✓
6001 2	BRE-CF-1	Front Office	✓
6003 3	BRE-EWC-1	Hall by 110 - Electric Water Cooler in Hallway	✓
6005 4	BRE-EWC-2	Room 103 - Cafeteria Electric Water Cooler	✓
6007 5	BRE-EWC-4	Room 104 - Electric Water Cooler in Hallway	✓
6008 6	BRE-KF-1	Kitchen - East Prep Sink	✓
6010 7	BRE-KF-2	Kitchen - West Prep Sink	✓
6011 8	BRE-DWF-6	Room 106 - Drinking Water Fountain	✓
6012 9	BRE-RRF-7	Room 106 - Restroom Faucet	✓
6012 10	BRE-CF-9	Room 108 - Classroom Faucet	✓
6015 11	BRE-DWF-10	Room 109 - Drinking Water Fountain	✓
6017 12	BRE-CF-2	Room 110 - Classroom Faucet	✓
6019 13	BRE-DWF-12	Room 128 - Drinking Water Fountain	✓
6021 14	BRE-CF-14	Room 126 - Classroom Faucet	✓
6022 15	BRE-CF-15	Room 124 - Classroom Faucet	✓
6023 16	BRE-DWF-16	Room 122 - Drinking Water Fountain	✓
6029 17	BRE-DWF-20	Room 118 - Drinking Water Fountain	✓
6031 18	BRE-DWF-25	Room 114 - Drinking Water Fountain	✓
6031 19	BRE-CF-120	Room 120 - Classroom Faucet	✓
6032 20	BRE-CF-136	Room 136 - Classroom Faucet	✓
6033 21	BRE-CF-140	Room 140 - Classroom Faucet	✓
6036 22	BRE-CF-142	Room 142 - Classroom Faucet	✓
6037 23	BRE-CF-146	Room 146 - Classroom Faucet	✓
6038 24	BRE-CF-150	Room 150 - Classroom Faucet	✓
6039 25	BRE-CF-152	Room 152 - Classroom Faucet	✓
6040 26	BRE-CF-156	Room 156 - Classroom Faucet	✓
6041 27	BRE-EWC-156	Room 156 - Electric Water Cooler in Hallway	✓
6042 28	BRE-CF-158	Room 158 - Classroom Faucet	✓
6043 29	BRE-CF-166	Room 166 - Classroom Faucet	✓
6045 30	BRE-CF-168	Room 168 - Classroom Faucet	✓
6046 31	BRE-EWC-168	Room 168 - Electric Water Cooler in Hallway	✓
6043 32	BRE-CF-172	Room 172 - Classroom Faucet	✓
6044 33	BRE-CF-174	Room 124 - Classroom Faucet	✓
6050 34	BRE-CF-176	Room 124 - Classroom Faucet	✓
6049 35	BRE-CF-178	Room 124 - Classroom Faucet	✓
6052 36	BRE-EWC-125	Room 125 - Electric Water Cooler in Hallway	✓
6058 37	BRE-TLF-125	Room 125 - Teacher's Lounge Faucet	✓
38	BRE-		
39	BRE-		





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

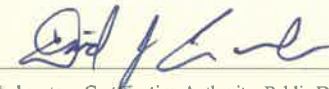
**Pace Analytical Services, LLC – Peoria, Illinois**

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