



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

DATE: JANUARY 6, 2022

FACILITY NAME: **BEULAH RALPH ELEMENTARY 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 | 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 16, 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 **60** sample(s) the laboratory received on **7/22/21 7:00 pm** and logged in under work order **EG04903**. 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 EG04903

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
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: EG04903-01
Name: 1. Kitchen Room 124
Alias: BEU-KF-124

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
Total Metals - PIA							
Copper	170	ug/L		1300	07/27/21 10:38	TJJ	EPA 200.8 REV 5.4
Lead	5.9	ug/L		15	07/27/21 10:38	TJJ	EPA 200.8 REV 5.4

Sample: EG04903-02
Name: 2. In Room 122
Alias: BEU-EWC-1

Sampled: 07/19/21 06:16
Received: 07/22/21 19:00
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	160	ug/L		1300	07/27/21 10:43	TJJ	EPA 200.8 REV 5.4
Lead	2.0	ug/L		15	07/27/21 10:43	TJJ	EPA 200.8 REV 5.4

Sample: EG04903-03
Name: 3. In NE Wash Area
Alias: BEU-EWC-2

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

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	230	ug/L		1300	07/27/21 10:44	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 10:44	TJJ	EPA 200.8 REV 5.4

Sample: EG04903-04
Name: 4. Room 227
Alias: BEU-CF-227

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
Total Metals - PIA							
Copper	580	ug/L		1300	07/27/21 10:46	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 10:46	TJJ	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: EG04903-05

Name: 5. Room 206

Alias: BEU-CF-206

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
Total Metals - PIA							
Copper	500	ug/L		1300	07/27/21 10:47	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 10:47	TJJ	EPA 200.8 REV 5.4

Sample: EG04903-06

Name: 6. Nurses Office 108

Alias: BEU-NSF-1

Sampled: 07/19/21 05:52

Received: 07/22/21 19:00

Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	250	ug/L		1300	07/27/21 10:48	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 10:48	TJJ	EPA 200.8 REV 5.4

Sample: EG04903-07

Name: 7. Teachers Lounge 105

Alias: BEU-TLF-1

Sampled: 07/19/21 07:24

Received: 07/22/21 19:00

Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	270	ug/L		1300	07/27/21 10:50	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 10:50	TJJ	EPA 200.8 REV 5.4

Sample: EG04903-08

Name: 8. In NW Wash Area

Alias: BEU-EWC-3

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
Total Metals - PIA							
Copper	190	ug/L		1300	07/27/21 10:59	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 10:59	TJJ	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: EG04903-09
Name: 9. In Room 120
Alias: BEU-EWC-4

Sampled: 07/19/21 07:20
Received: 07/22/21 19:00
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	330	ug/L		1300	07/27/21 11:00	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 11:00	TJJ	EPA 200.8 REV 5.4

Sample: EG04903-10
Name: 10. Kitchen Room 112
Alias: BEU-KF-112

Sampled: 07/19/21 07:10
Received: 07/22/21 19:00
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	690	ug/L		1300	07/27/21 11:05	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 11:05	TJJ	EPA 200.8 REV 5.4

Sample: EG04903-11
Name: 11. In SW Wash Area
Alias: BEU-EWC-5

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
Total Metals - PIA							
Copper	190	ug/L		1300	07/27/21 11:06	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 11:06	TJJ	EPA 200.8 REV 5.4

Sample: EG04903-12
Name: 13. Restroom in 307
Alias: BEU-RRF-307

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

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	290	ug/L		1300	07/27/21 11:07	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 11:07	TJJ	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: EG04903-13
Name: 14. Teachers Lounge 123
Alias: BEU-TFL-2

Sampled: 07/19/21 06:24
Received: 07/22/21 19:00
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	260	ug/L		1300	07/27/21 11:09	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 11:09	TJJ	EPA 200.8 REV 5.4

Sample: EG04903-14
Name: 16. Room 219
Alias: BEU-CF-219

Sampled: 07/19/21 06:04
Received: 07/22/21 19:00
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	560	ug/L		1300	07/27/21 11:10	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 11:10	TJJ	EPA 200.8 REV 5.4

Sample: EG04903-15
Name: 17. Room 216
Alias: BEU-CF-216

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
Total Metals - PIA							
Copper	430	ug/L		1300	07/27/21 11:12	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 11:12	TJJ	EPA 200.8 REV 5.4

Sample: EG04903-16
Name: 18. Room 221
Alias: BEU-CF-221

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

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	330	ug/L		1300	07/27/21 12:03	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 12:03	TJJ	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: EG04903-17
Name: 19. Room 218
Alias: BEU-CF-218

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
Total Metals - PIA							
Copper	450	ug/L		1300	07/27/21 12:04	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 12:04	TJJ	EPA 200.8 REV 5.4

Sample: EG04903-18
Name: 20. Room 223
Alias: BEU-CF-223

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
Total Metals - PIA							
Copper	610	ug/L		1300	07/27/21 12:09	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 12:09	TJJ	EPA 200.8 REV 5.4

Sample: EG04903-19
Name: 21. Room 220
Alias: BEU-CF-220

Sampled: 07/19/21 06:09
Received: 07/22/21 19:00
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	460	ug/L		1300	07/27/21 12:10	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 12:10	TJJ	EPA 200.8 REV 5.4

Sample: EG04903-20
Name: 22. Room 225
Alias: BEU-CF-225

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
Total Metals - PIA							
Copper	500	ug/L		1300	07/27/21 12:11	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 12:11	TJJ	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: EG04903-21
Name: 23. Room 222
Alias: BEU-CF-222

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
Total Metals - PIA							
Copper	790	ug/L		1300	07/27/21 12:13	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 12:13	TJJ	EPA 200.8 REV 5.4

Sample: EG04903-22
Name: 24. Room 212
Alias: BEU-CF-212

Sampled: 07/19/21 06:02
Received: 07/22/21 19:00
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	490	ug/L		1300	07/27/21 12:14	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 12:14	TJJ	EPA 200.8 REV 5.4

Sample: EG04903-23
Name: 25. Room 202
Alias: BEU-CF-202

Sampled: 07/19/21 05:59
Received: 07/22/21 19:00
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	510	ug/L		1300	07/27/21 12:16	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 12:16	TJJ	EPA 200.8 REV 5.4

Sample: EG04903-24
Name: 26. Room 201
Alias: BEU-CF-201

Sampled: 07/19/21 05:55
Received: 07/22/21 19:00
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	590	ug/L		1300	07/27/21 12:22	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 12:22	TJJ	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: EG04903-25
Name: 27. Room 204
Alias: BEU-CF-204

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
Total Metals - PIA							
Copper	390	ug/L		1300	07/27/21 12:24	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 12:24	TJJ	EPA 200.8 REV 5.4

Sample: EG04903-26
Name: 28. Room 203
Alias: BEU-CF-203

Sampled: 07/19/21 05:57
Received: 07/22/21 19:00
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	420	ug/L		1300	07/27/21 12:28	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 12:28	TJJ	EPA 200.8 REV 5.4

Sample: EG04903-27
Name: 29. Room 205
Alias: BEU-CF-205

Sampled: 07/19/21 05:58
Received: 07/22/21 19:00
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	600	ug/L		1300	07/27/21 12:30	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 12:30	TJJ	EPA 200.8 REV 5.4

Sample: EG04903-28
Name: 30. In NW Staff Restroom
Alias: BEU-RRF-NW

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

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	270	ug/L		1300	07/27/21 12:31	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 12:31	TJJ	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: EG04903-29
Name: 31. Restroom in 104
Alias: BEU-RRF-104

Sampled: 07/19/21 07:26
Received: 07/22/21 19:00
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	370	ug/L		1300	07/27/21 12:33	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 12:33	TJJ	EPA 200.8 REV 5.4

Sample: EG04903-30
Name: 32. In SW Staff Restroom
Alias: BEU-RRF-SW

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

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	230	ug/L		1300	07/27/21 12:34	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 12:34	TJJ	EPA 200.8 REV 5.4

Sample: EG04903-31
Name: 33. Room 301
Alias: BEU-CF-301

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
Total Metals - PIA							
Copper	360	ug/L		1300	07/27/21 12:35	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 12:35	TJJ	EPA 200.8 REV 5.4

Sample: EG04903-32
Name: 34. Restroom in 301
Alias: BEU-RRF-301

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
Total Metals - PIA							
Copper	390	ug/L		1300	07/27/21 13:01	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 13:01	TJJ	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: EG04903-33
Name: 35. Room 302
Alias: BEU-CF-302

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

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	280	ug/L		1300	07/27/21 13:02	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 13:02	TJJ	EPA 200.8 REV 5.4

Sample: EG04903-34
Name: 36. Restroom in 302
Alias: BEU-RRF-302

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

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	290	ug/L		1300	07/27/21 13:07	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 13:07	TJJ	EPA 200.8 REV 5.4

Sample: EG04903-35
Name: 37. Room 303
Alias: BEU-CF-303

Sampled: 07/19/21 07:02
Received: 07/22/21 19:00
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	300	ug/L		1300	07/27/21 13:08	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 13:08	TJJ	EPA 200.8 REV 5.4

Sample: EG04903-36
Name: 38. Restroom in 303
Alias: BEU-RRF-303

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

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	290	ug/L		1300	07/27/21 13:10	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 13:10	TJJ	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: EG04903-37
Name: 39. Room 304
Alias: BEU-CF-304

Sampled: 07/19/21 07:04
Received: 07/22/21 19:00
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	290	ug/L		1300	07/27/21 13:11	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 13:11	TJJ	EPA 200.8 REV 5.4

Sample: EG04903-38
Name: 40. Restroom in 304
Alias: BEU-RRF-304

Sampled: 07/19/21 07:09
Received: 07/22/21 19:00
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	320	ug/L		1300	07/27/21 13:13	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 13:13	TJJ	EPA 200.8 REV 5.4

Sample: EG04903-39
Name: 41. Room 305
Alias: BEU-CF-305

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

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	360	ug/L		1300	07/27/21 13:14	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 13:14	TJJ	EPA 200.8 REV 5.4

Sample: EG04903-40
Name: 42. Restroom in 305
Alias: BEU-RRF-305

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

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	310	ug/L		1300	07/27/21 13:21	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 13:21	TJJ	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: EG04903-41
Name: 43. Room 313 B
Alias: BEU-CF-313-R

Sampled: 07/19/21 06:55
Received: 07/22/21 19:00
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	1900	ug/L		**1300	07/30/21 14:14	KMC	EPA 200.8 REV 5.4
Lead	4.2	ug/L		15	07/30/21 13:57	KMC	EPA 200.8 REV 5.4

Sample: EG04903-42
Name: 44. Restroom in 306
Alias: BEU-RRF-306

Sampled: 07/19/21 07:11
Received: 07/22/21 19:00
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	420	ug/L		1300	07/27/21 13:26	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 13:26	TJJ	EPA 200.8 REV 5.4

Sample: EG04903-43
Name: 45. Room 313 West
Alias: BEU-CF-313-2

Sampled: 07/19/21 06:51
Received: 07/22/21 19:00
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	310	ug/L		1300	07/27/21 13:28	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 13:28	TJJ	EPA 200.8 REV 5.4

Sample: EG04903-44
Name: 46. Room 313 Center
Alias: BEU-CF-313-3

Sampled: 07/19/21 06:51
Received: 07/22/21 19:00
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	290	ug/L		1300	07/27/21 13:29	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 13:29	TJJ	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: EG04903-45
Name: 47. Room 313 East
Alias: BEU-CF-313-1

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
Total Metals - PIA							
Copper	290	ug/L		1300	07/27/21 13:31	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 13:31	TJJ	EPA 200.8 REV 5.4

Sample: EG04903-46
Name: 48. Room 317 West
Alias: BEU-CF-317-1

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
Total Metals - PIA							
Copper	570	ug/L		1300	07/27/21 13:32	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 13:32	TJJ	EPA 200.8 REV 5.4

Sample: EG04903-47
Name: 49. Room 317 East
Alias: BEU-CF-317-2

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
Total Metals - PIA							
Copper	540	ug/L		1300	07/27/21 13:34	TJJ	EPA 200.8 REV 5.4
Lead	1.1	ug/L		15	07/27/21 13:34	TJJ	EPA 200.8 REV 5.4

Sample: EG04903-48
Name: 50. Restroom in 344
Alias: BEU-RRF-344

Sampled: 07/19/21 06:35
Received: 07/22/21 19:00
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	320	ug/L		1300	07/27/21 13:40	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 13:40	TJJ	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: EG04903-49
Name: 51. Room 339
Alias: BEUI-CF-339

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
Total Metals - PIA							
Copper	930	ug/L		1300	07/27/21 13:42	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 13:42	TJJ	EPA 200.8 REV 5.4

Sample: EG04903-50
Name: 52. In SE Staff Restroom
Alias: BEU-RRF-SE

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

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	310	ug/L		1300	07/27/21 13:46	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 13:46	TJJ	EPA 200.8 REV 5.4

Sample: EG04903-51
Name: 53. In NE Staff Restroom
Alias: BEU-RRF-NE

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

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	230	ug/L		1300	07/27/21 13:48	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 13:48	TJJ	EPA 200.8 REV 5.4

Sample: EG04903-52
Name: 54. Room 326
Alias: BEU-CF-326

Sampled: 07/19/21 06:47
Received: 07/22/21 19:00
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	500	ug/L		1300	07/27/21 13:49	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 13:49	TJJ	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: EG04903-53
Name: 55. In SE Wash Area
Alias: BEU-EWC

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

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	240	ug/L		1300	07/27/21 13:50	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 13:50	TJJ	EPA 200.8 REV 5.4

Sample: EG04903-54
Name: 56. Room 331
Alias: BEU-CF-331

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

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	430	ug/L		1300	07/27/21 13:52	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 13:52	TJJ	EPA 200.8 REV 5.4

Sample: EG04903-55
Name: 57. Room 332
Alias: BEU-CF-332

Sampled: 07/19/21 07:48
Received: 07/22/21 19:00
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	390	ug/L		1300	07/27/21 13:53	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 13:53	TJJ	EPA 200.8 REV 5.4

Sample: EG04903-56
Name: 58. Room 333
Alias: BEU-CF-333

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

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	280	ug/L		1300	07/27/21 14:00	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 14:00	TJJ	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: EG04903-57
Name: 59. Room 334
Alias: BEU-CF-334

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

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	410	ug/L		1300	07/27/21 14:01	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 14:01	TJJ	EPA 200.8 REV 5.4

Sample: EG04903-58
Name: 60. Room 335
Alias: BEU-CF-335

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

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	610	ug/L		1300	07/27/21 14:06	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 14:06	TJJ	EPA 200.8 REV 5.4

Sample: EG04903-59
Name: 61. Room 323
Alias: BEU-CF-323

Sampled: 07/19/21 07:54
Received: 07/22/21 19:00
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	530	ug/L		1300	07/27/21 14:07	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 14:07	TJJ	EPA 200.8 REV 5.4

Sample: EG04903-60
Name: 62. Room 322
Alias: BEU-CF-322

Sampled: 07/19/21 07:53
Received: 07/22/21 19:00
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	390	ug/L		1300	07/27/21 14:09	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 14:09	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

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SPMO - Springfield, MO - 1805 W Sunset Street, Springfield, MO 65807

USEPA DMR-QA Program

STL - Hazelwood, MO - 944 Anglum Rd, Hazelwood, MO 63042

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through KS KDHE Certification No. E-10389

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. - 200080

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory, Registry No. 171050

Missouri Department of Natural Resources - Certificate of Approval for Microbiological Laboratory Service - No. 1050

Certified by: Erin Lane, Project Manager





PDC LABORATORIES, INC.
WWW.PDCLAB.COM

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

CHAIN OF CUSTODY RECORD

STATE WHERE SAMPLE COLLECTED MO

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

1 CLIENT Engineering Surveys & Services ADDRESS 1113 Fay Street CITY Columbia, MO STATE ZIP CONTACT PERSON Josh Lehmen		PROJECT NUMBER L14571 PHONE NUMBER 573-449-2646		PROJECT LOCATION Columbia, MO E-MAIL jlehmen@ess-inc.com		PURCHASE ORDER # DATE SHIPPED 7-16-21		3 ANALYSIS REQUESTED <i>Lead and Copper</i>				4 (FOR LAB USE ONLY) LOGIN # <u>EG04903-60</u> LOGGED BY: <u>DCW</u> CLIENT: PROJECT: PROJ. MGR.: CUSTODY SEAL #:	
2 SAMPLE DESCRIPTION (UNIQUE DESCRIPTION AS IT WILL APPEAR ON THE ANALYTICAL REPORT) <u>Seneca Ralph Elementary</u>		DATE COLLECTED <u>7/19/21</u>	TIME COLLECTED <u>Various</u>	SAMPLE TYPE GRAB COMP X		MATRIX TYPE	BOTTLE COUNT	PRES CODE CLIENT PROVIDED	REMARKS				
CHEMICAL PRESERVATION CODES:		1 - HCL	2 - H2SO4	3 - HNO3	4 - NAOH	5 - NA2S2O3	6 - UNPRESERVED	7 - OTHER					
5 TURNAROUND TIME REQUESTED (PLEASE CIRCLE) NORMAL RUSH (RUSH TAT IS SUBJECT TO PDC LABS APPROVAL AND SURCHARGE) RUSH RESULTS VIA (PLEASE CIRCLE) EMAIL PHONE EMAIL IF DIFFERENT FROM ABOVE: PHONE # IF DIFFERENT FROM ABOVE:		DATE RESULTS NEEDED		6 I understand that by initialing this box I give the lab permission to proceed with analysis, even though it may not meet all sample conformance requirements as defined in the receiving facility's Sample Acceptance Policy and the data will be qualified. Qualified data may <u>NOT</u> be acceptable to report to all regulatory authorities. PROCEED WITH ANALYSIS AND QUALIFY RESULTS: (INITIALS) _____									
7 RELINQUISHED BY: (SIGNATURE) <u>[Signature]</u> RELINQUISHED BY: (SIGNATURE) RELINQUISHED BY: (SIGNATURE)		DATE <u>7/22/21</u> TIME <u>11:13 AM</u>		RECEIVED BY: (SIGNATURE) <u>[Signature]</u> RECEIVED BY: (SIGNATURE) RECEIVED BY: (SIGNATURE)		DATE <u>7-22-21</u> TIME <u>11:13</u> DATE <u>7/22/21</u> TIME <u>1900</u>		8 COMMENTS: (FOR LAB USE ONLY) SAMPLE TEMPERATURE UPON RECEIPT <u>21.2</u> °C CHILL PROCESS STARTED PRIOR TO RECEIPT Y OR N SAMPLE(S) RECEIVED ON ICE Y OR N SAMPLE ACCEPTANCE NONCONFORMANT REPORT IS NEEDED Y OR N DATE AND TIME TAKEN FROM SAMPLE B					

Location:	Beulah Ralph Elementary School
Sample Date:	7/19/2021
Sample Time:	Various
Sampled By:	Cullan Even/Colin Smialek

Sample No.	Coding System	Description	Sample Collected
1	BEU-124-KF-1	Room 124 - Kitchen Faucet	Yes
2	BEU-122-EWC-1	in Room 122 - Electric Water Cooler	Yes
3	BEU-EWC-2	In NE Wash Area - Electric Water Cooler	Yes
4	BEU-227-CF-1	Room 227 - Classroom Faucet	Yes
5	BEU-206-CF-2	Room 206 - Classroom Faucet	Yes
6	BEU-108-NSF-1	Nurses Office 108 - Faucet	Yes
7	BEU-105-TLF-1	Teachers Lounge 105 - Faucet	Yes
8	BEU-EWC-3	NW Wash Area - Electric Water Cooler	Yes
9	BEU-120-EWC-4	Room 120 - Electric Water Cooler	Yes
10	BEU-112-KF-2	Kitchen room 112 - Faucet	Yes
11	BEU-EWC-5	SW Wash Area - Electric Water Cooler	Yes
12	BEU-DWF-1	West Faucet - No Located	No
13	BEU-RRF-307	Restroom in 307 - Faucet	Yes
14	BEU-TFL-2	Room 123 - Teachers Lounge Faucet	Yes
15	BEU-DWF-2	East Faucet - Not Located	No
16	BEU-219-CF-3	Room 219 - Classroom Faucet	Yes
17	BEU-216-CF-4	Room 216 - Classroom Faucet	Yes
18	BEU-221-CF-5	Room 221 - Classroom Faucet	Yes
19	BEU-218-CF-6	Room 218 - Classroom Faucet	Yes
20	BEU-223-CF-7	Room 223 - Classroom Faucet	Yes
21	BEU-220-CF-8	Room 220 - Classroom Faucet	Yes
22	BEU-225-CF-9	Room 225 - Classroom Faucet	Yes
23	BEU-222-CF-10	Room 222 - Classroom Faucet	Yes
24	BEU-212-CF-11	Room 212 - Classroom Faucet	Yes
25	BEU-213-CF-12	Room 202 - Classroom Faucet	Yes
26	BEU-201-CF-13	Room 201 - Classroom Faucet	Yes
27	BEU-204-CF-14	Room 204 - Classroom Faucet	Yes
28	BEU-203-CF-15	Room 203 - Classroom Faucet	Yes
29	BEU-205-CF-16	Room 205 - Classroom Faucet	Yes
30	BEU-NW-RRF-1	In NW Staff Restroom - Faucet	Yes
31	BEU-104-RRF-2	Restroom in 104 - Faucet	Yes
32	BEU-SW-RRF-3	IN SW Staff Restroom - Faucet	Yes
33	BEU-301-CF-17	Room 301 - Classroom Faucet	Yes
34	BEU-301-RRF-4	Restroom in 301 - Faucet	Yes
35	BEU-302-CF-18	Room 302 - Classroom Faucet	Yes
36	BEU-302-RRF-5	Restroom in 302 - Faucet	Yes
37	BEU-303-CF-19	Room 303 - Classroom Faucet	Yes
38	BEU-303-RRF-6	Restroom in 303 - Faucet	Yes
39	BEU-304-CF-20	Room 304 - Classroom Faucet	Yes
40	BEU-304-RRF-7	Restroom in 304 - Faucet	Yes

41	BEU-305-CF-21	Room 305 - Classroom Faucet	Yes
42	BEU-305-RRF-8	Restroom in 305 - Faucet	Yes
43	BEU-313-CF-22	Room 313 - B - Classroom Faucet	Yes
44	BEU-306-RRF-9	Restroom in 306 - Faucet	Yes
45	BEU-313-CF-23	Room 313 - West Classroom Faucet	Yes
46	BEU-313-CF-24	Room 313 - Center Classroom Faucet	Yes
47	BEU-313A-CF-25	Room 313A - East Classroom Faucet	Yes
48	BEU-317-CF-26	Room 317 - West Classroom Faucet	Yes
49	BEU-317-CF-27	Room 317 - East Classroom Faucet	Yes
50	BEU-344-RRF-10	Restroom in 344 - Faucet	Yes
51	BEU-339-CF-28	Room 339 - Classroom Faucet	Yes
52	BEU-SE-RRF-11	Restroom in SE Staffroom	Yes
53	BEU-NE-RRF-12	Restroom in NE Staffroom	Yes
54	BEU-326-CF-29	Room 326 - Classroom Faucet	Yes
55	BEU-SE-EWC-6	Southeast Wash Area - Electric Water Cooler	Yes
56	BEU-331-CF-30	Room 331 - Classroom Faucet	Yes
57	BEU-332-CF-31	Room 332 - Classroom Faucet	Yes
58	BEU-333-CF-32	Room 333 - Classroom Faucet	Yes
59	BEU-334-CF-33	Room 334 - Classroom Faucet	Yes
60	BEU-334-CF-34	Room 335 - Classroom Faucet	Yes
61	BEU-323-CF-35	Room 323 - Classroom Faucet	Yes
62	BEU-322-CF-36	Room 322 - Classroom Faucet	Yes
63	BEU-324-CF-37	Room 324 - Classroom Faucet	Yes
64	BEU-325-CF-38	Room 325 - Classroom Faucet	Yes
65	BEU-326-CF-39	Room 326 - Classroom Faucet	Yes



September 29, 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 **3** sample(s) the laboratory received on **7/29/21 3:20 pm** and logged in under work order **EH04401**. 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.

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. 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 EH04401

YES	Samples received within temperature compliance when applicable
NO	COC present upon sample receipt
YES	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
NO	Current PDC COC submitted
YES	Case narrative provided



ANALYTICAL RESULTS

Sample: EH04401-01
Name: 63. ROOM 324 - CLASSROOM FAUCET
Alias: BEU-324-CF-37

Sampled: 07/27/21 06:00
Received: 07/09/21 15:20
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Copper	330	ug/L		08/20/21 09:54	1	3.0	08/20/21 11:47	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		08/20/21 09:54	1	1.0	08/20/21 11:47	KMC	EPA 200.8 REV 5.4

Sample: EH04401-02
Name: 64. ROOM 325 - CLASSROOM FAUCET
Alias: BEU-325-CF-38

Sampled: 07/27/21 06:02
Received: 07/09/21 15:20
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Copper	290	ug/L		08/20/21 09:54	1	3.0	08/20/21 11:49	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		08/20/21 09:54	1	1.0	08/20/21 11:49	KMC	EPA 200.8 REV 5.4

Sample: EH04401-03
Name: 65. ROOM 326 - CLASSROOM FAUCET
Alias: BEU-326-CF-39

Sampled: 07/27/21 06:01
Received: 07/09/21 15:20
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Copper	390	ug/L		08/20/21 09:54	1	3.0	08/20/21 11:50	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		08/20/21 09:54	1	1.0	08/20/21 11:50	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

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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





STATE WHERE SAMPLE COLLECTED MO

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

[illegible]

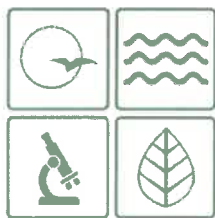


"First Flush" Resample

ANALYTICAL RESULTS

Sample: EL04058-17**Name:** 43. Room 313 - B- Classroom Faucet**Alias:** BEU-313-CF-22**Sampled:** 12/10/21 05:05**Received:** 12/20/21 15:10**Matrix:** Drinking Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
<u>Total Metals - PIA</u>									
Copper	270	ug/L		01/06/22 09:26	1	3.0	01/06/22 09:45	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		01/06/22 09:26	1	1.0	01/06/22 09:45	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 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

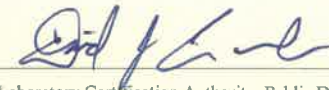
Pace Analytical Services, LLC – Peoria, Illinois

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