



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

DATE: JANUARY 6, 2022

FACILITY NAME: **ALPHA HART LEWIS ELEMENTARY SCHOOL**

**A. SAMPLE COLLECTION**

- |  |        |
|--|--------|
| 1. NUMBER OF SAMPLES COLLECTED AT THIS FACILITY  | 58     |
| 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.

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. Initially failed tests were resampled using the first flush method and tested for verification.

Prepared By:

Joshua D. Lehmen, PE



August 19, 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 **58** sample(s) the laboratory received on **8/2/21 12:40 pm** and logged in under work order **EH00213**. 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      EH00213

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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
YES	Case narrative provided



**Case Narrative**

ESS Samples #40-58 were not listed on the COC or ESS sampling form, however bottles were received.

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## ANALYTICAL RESULTS

**Sample:** EH00213-01  
**Name:** 1. Teacher Lounge Faucet Cold  
**Alias:** AHL-A218-TLF

**Sampled:** 07/28/21 08:30  
**Received:** 08/02/21 12:40  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	170	ug/L		1300	08/10/21 08:43	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/10/21 08:43	TJJ	EPA 200.8 REV 5.4

**Sample:** EH00213-02  
**Name:** 2. Hallway Water Cooler in Office Area  
**Alias:** AHL-A219-EWC-1

**Sampled:** 07/28/21 08:30  
**Received:** 08/02/21 12:40  
**Matrix:** Drinking Water - Regular Sample

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

**Sample:** EH00213-03  
**Name:** 3. Nurse Sink Office Cold  
**Alias:** AHL-A228-NSF

**Sampled:** 07/28/21 08:30  
**Received:** 08/02/21 12:40  
**Matrix:** Drinking Water - Regular Sample

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

**Sample:** EH00213-04  
**Name:** 4. Hallway Water Cooler Outside Media Center  
**Alias:** AHL-B219-EWC-4

**Sampled:** 07/28/21 08:37  
**Received:** 08/02/21 12:40  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	350	ug/L		1300	08/10/21 08:47	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/10/21 08:47	TJJ	EPA 200.8 REV 5.4



## ANALYTICAL RESULTS

**Sample:** EH00213-05  
**Name:** 5. Water Cooler in Common Area B209  
**Alias:** AHL-B209-EWC-6

**Sampled:** 07/28/21 08:40  
**Received:** 08/02/21 12:40  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	140	ug/L		1300	08/10/21 08:49	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/10/21 08:49	TJJ	EPA 200.8 REV 5.4

**Sample:** EH00213-06  
**Name:** 6. Hallway Water Cooler C218  
**Alias:** AHL-C218-EWC-8

**Sampled:** 07/28/21 08:50  
**Received:** 08/02/21 12:40  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	330	ug/L		1300	08/10/21 08:50	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/10/21 08:50	TJJ	EPA 200.8 REV 5.4

**Sample:** EH00213-07  
**Name:** 7. Water Cooler in Common Area C205  
**Alias:** AHL-C205-EWC-10

**Sampled:** 07/28/21 09:00  
**Received:** 08/02/21 12:40  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	200	ug/L		1300	08/10/21 08:52	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/10/21 08:52	TJJ	EPA 200.8 REV 5.4

**Sample:** EH00213-08  
**Name:** 8. Special Needs Sink Cold  
**Alias:** AHL-C212-CF-1

**Sampled:** 07/28/21 09:10  
**Received:** 08/02/21 12:40  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	420	ug/L		1300	08/10/21 09:01	TJJ	EPA 200.8 REV 5.4
Lead	2.8	ug/L		15	08/10/21 09:01	TJJ	EPA 200.8 REV 5.4



## ANALYTICAL RESULTS

**Sample:** EH00213-09  
**Name:** 9. Hallway Water Cooler D218  
**Alias:** AHL-D218-EW-12

**Sampled:** 07/28/21 09:15  
**Received:** 08/02/21 12:40  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	250	ug/L		1300	08/10/21 09:02	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/10/21 09:02	TJJ	EPA 200.8 REV 5.4

**Sample:** EH00213-10  
**Name:** 10. Preschool Faucet Cold D219  
**Alias:** AHL-D219-CF-2

**Sampled:** 07/28/21 09:15  
**Received:** 08/02/21 12:40  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	400	ug/L		1300	08/10/21 09:04	TJJ	EPA 200.8 REV 5.4
Lead	2.4	ug/L		15	08/10/21 09:04	TJJ	EPA 200.8 REV 5.4

**Sample:** EH00213-11  
**Name:** 11. Preschool Faucet Cold D214  
**Alias:** AHL-D214-CF-3

**Sampled:** 07/28/21 09:15  
**Received:** 08/02/21 12:40  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	210	ug/L		1300	08/10/21 09:05	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/10/21 09:05	TJJ	EPA 200.8 REV 5.4

**Sample:** EH00213-12  
**Name:** 12. Water Cooler Gym  
**Alias:** AHL-A123-EWC-14

**Sampled:** 07/28/21 09:35  
**Received:** 08/02/21 12:40  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	230	ug/L		1300	08/10/21 09:07	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/10/21 09:07	TJJ	EPA 200.8 REV 5.4





## ANALYTICAL RESULTS

**Sample:** EH00213-13  
**Name:** 13. Water Cooler Cafeteria  
**Alias:** AHL-A105-EWC-16

**Sampled:** 07/28/21 09:30  
**Received:** 08/02/21 12:40  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	300	ug/L		1300	08/10/21 09:08	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/10/21 09:08	TJJ	EPA 200.8 REV 5.4

**Sample:** EH00213-14  
**Name:** 14. Kitchen Steam Kettle  
**Alias:** AHL-A109-KF-1

**Sampled:** 07/28/21 09:40  
**Received:** 08/02/21 12:40  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	280	ug/L		1300	08/10/21 09:10	TJJ	EPA 200.8 REV 5.4
Lead	1.6	ug/L		15	08/10/21 09:10	TJJ	EPA 200.8 REV 5.4

**Sample:** EH00213-15  
**Name:** 15. Kitchen Island Prep Station Sink Cold  
**Alias:** AHL-A109-KF-2

**Sampled:** 07/28/21 09:40  
**Received:** 08/02/21 12:40  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	270	ug/L		1300	08/10/21 09:11	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/10/21 09:11	TJJ	EPA 200.8 REV 5.4

**Sample:** EH00213-16  
**Name:** 16. Kitchen Dish Washing Area Sink Cold  
**Alias:** AHL-A109-KF-3

**Sampled:** 07/28/21 09:40  
**Received:** 08/02/21 12:40  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	310	ug/L		1300	08/10/21 10:18	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/10/21 10:18	TJJ	EPA 200.8 REV 5.4



## ANALYTICAL RESULTS

**Sample:** EH00213-17  
**Name:** 17. Hallway Water Cooler B102  
**Alias:** AHL-B102-EW-18

**Sampled:** 07/28/21 09:45  
**Received:** 08/02/21 12:40  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	200	ug/L		1300	08/10/21 10:19	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/10/21 10:19	TJJ	EPA 200.8 REV 5.4

**Sample:** EH00213-18  
**Name:** 18. Water Cooler in Common Area B109  
**Alias:** AHL-B109-EWC-20

**Sampled:** 07/28/21 09:48  
**Received:** 08/02/21 12:40  
**Matrix:** Drinking Water - Regular Sample

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

**Sample:** EH00213-19  
**Name:** 19. Hallway Water Cooler C114  
**Alias:** AHL-C114-EWC-22

**Sampled:** 07/28/21 10:02  
**Received:** 08/02/21 12:40  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	260	ug/L		1300	08/10/21 10:22	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/10/21 10:22	TJJ	EPA 200.8 REV 5.4

**Sample:** EH00213-20  
**Name:** 20. Common Area Water Cooler C105  
**Alias:** AHL-C105-EWC-24

**Sampled:** 07/28/21 10:27  
**Received:** 08/02/21 12:40  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	240	ug/L		1300	08/10/21 10:24	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/10/21 10:24	TJJ	EPA 200.8 REV 5.4



## ANALYTICAL RESULTS

**Sample:** EH00213-21  
**Name:** 21. Common Area Water Cooler D105  
**Alias:** AHL-D105-EWC-26

**Sampled:** 07/28/21 10:35  
**Received:** 08/02/21 12:40  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	220	ug/L		1300	08/10/21 10:25	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/10/21 10:25	TJJ	EPA 200.8 REV 5.4

**Sample:** EH00213-22  
**Name:** 22. Classroom Faucet Cold  
**Alias:** AHL-B112-CF-4

**Sampled:** 07/28/21 00:00  
**Received:** 08/02/21 12:40  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	230	ug/L		1300	08/10/21 10:27	TJJ	EPA 200.8 REV 5.4
Lead	1.4	ug/L		15	08/10/21 10:27	TJJ	EPA 200.8 REV 5.4

**Sample:** EH00213-23  
**Name:** 23. Classroom Faucet Cold  
**Alias:** AHL-B111-CF-5

**Sampled:** 07/28/21 00:00  
**Received:** 08/02/21 12:40  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	130	ug/L		1300	08/10/21 10:28	TJJ	EPA 200.8 REV 5.4
Lead	1.6	ug/L		15	08/10/21 10:28	TJJ	EPA 200.8 REV 5.4

**Sample:** EH00213-24  
**Name:** 24. Classroom Faucet Cold  
**Alias:** AHL-B110-CF-6

**Sampled:** 07/28/21 00:00  
**Received:** 08/02/21 12:40  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	220	ug/L		1300	08/10/21 10:37	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/10/21 10:37	TJJ	EPA 200.8 REV 5.4



## ANALYTICAL RESULTS

**Sample:** EH00213-25  
**Name:** 25. Classroom Faucet Cold  
**Alias:** AHL-B108-CF-7

**Sampled:** 07/28/21 00:00  
**Received:** 08/02/21 12:40  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	500	ug/L		1300	08/10/21 10:39	TJJ	EPA 200.8 REV 5.4
Lead	1.7	ug/L		15	08/10/21 10:39	TJJ	EPA 200.8 REV 5.4

**Sample:** EH00213-26  
**Name:** 26. Classroom Faucet Cold  
**Alias:** AHL-B107-CF-8

**Sampled:** 07/28/21 00:00  
**Received:** 08/02/21 12:40  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	230	ug/L		1300	08/10/21 10:40	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/10/21 10:40	TJJ	EPA 200.8 REV 5.4

**Sample:** EH00213-27  
**Name:** 27. Classroom Faucet Cold  
**Alias:** AHL-C117-CF-9

**Sampled:** 07/28/21 10:05  
**Received:** 08/02/21 12:40  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	260	ug/L		1300	08/10/21 10:42	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/10/21 10:42	TJJ	EPA 200.8 REV 5.4

**Sample:** EH00213-28  
**Name:** 28. Classroom Faucet Cold  
**Alias:** AHL-C115-CF-10

**Sampled:** 07/28/21 10:07  
**Received:** 08/02/21 12:40  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	390	ug/L		1300	08/10/21 10:43	TJJ	EPA 200.8 REV 5.4
Lead	1.2	ug/L		15	08/10/21 10:43	TJJ	EPA 200.8 REV 5.4



## ANALYTICAL RESULTS

**Sample:** EH00213-29  
**Name:** 29. Classroom Faucet Cold  
**Alias:** AHL-C114-CF-11

**Sampled:** 07/28/21 10:10  
**Received:** 08/02/21 12:40  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	340	ug/L		1300	08/10/21 10:45	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/10/21 10:45	TJJ	EPA 200.8 REV 5.4

**Sample:** EH00213-30  
**Name:** 30. Classroom Faucet Cold  
**Alias:** AHL-C112-CF-12

**Sampled:** 07/28/21 10:25  
**Received:** 08/02/21 12:40  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	1200	ug/L		1300	08/10/21 10:46	TJJ	EPA 200.8 REV 5.4
Lead	27	ug/L		**15	08/10/21 10:46	TJJ	EPA 200.8 REV 5.4

**Sample:** EH00213-31  
**Name:** 31. Classroom Faucet Cold  
**Alias:** AHL-C108-CF-13

**Sampled:** 07/28/21 10:30  
**Received:** 08/02/21 12:40  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	300	ug/L		1300	08/10/21 13:13	TJJ	EPA 200.8 REV 5.4
Lead	1.2	ug/L		15	08/10/21 13:13	TJJ	EPA 200.8 REV 5.4

**Sample:** EH00213-32  
**Name:** 32. Classroom Faucet Cold  
**Alias:** AHL-C107-CF-14

**Sampled:** 07/28/21 10:30  
**Received:** 08/02/21 12:40  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	420	ug/L		1300	08/10/21 10:57	TJJ	EPA 200.8 REV 5.4
Lead	3.0	ug/L		15	08/10/21 10:57	TJJ	EPA 200.8 REV 5.4



## ANALYTICAL RESULTS

**Sample:** EH00213-33  
**Name:** 33. Classroom Faucet Cold  
**Alias:** AHL-C106-CH-15

**Sampled:** 07/28/21 10:30  
**Received:** 08/02/21 12:40  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	270	ug/L		1300	08/10/21 10:58	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/10/21 10:58	TJJ	EPA 200.8 REV 5.4

**Sample:** EH00213-34  
**Name:** 34. Classroom Faucet Cold  
**Alias:** AHL-C104-CF-16

**Sampled:** 07/28/21 10:30  
**Received:** 08/02/21 12:40  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	270	ug/L		1300	08/10/21 11:00	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/10/21 11:00	TJJ	EPA 200.8 REV 5.4

**Sample:** EH00213-35  
**Name:** 35. Classroom Faucet Cold  
**Alias:** AHL-C103-CF-17

**Sampled:** 07/28/21 10:30  
**Received:** 08/02/21 12:40  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	270	ug/L		1300	08/10/21 11:01	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/10/21 11:01	TJJ	EPA 200.8 REV 5.4

**Sample:** EH00213-36  
**Name:** 36. Classroom Faucet Cold  
**Alias:** AHL-D108-CF-18

**Sampled:** 07/28/21 10:40  
**Received:** 08/02/21 12:40  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	300	ug/L		1300	08/10/21 11:03	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/10/21 11:03	TJJ	EPA 200.8 REV 5.4



## ANALYTICAL RESULTS

**Sample:** EH00213-37  
**Name:** 37. Classroom Faucet Cold  
**Alias:** AHL-D107-CH-19

**Sampled:** 07/28/21 10:40  
**Received:** 08/02/21 12:40  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	380	ug/L		1300	08/10/21 11:04	TJJ	EPA 200.8 REV 5.4
Lead	1.7	ug/L		15	08/10/21 11:04	TJJ	EPA 200.8 REV 5.4

**Sample:** EH00213-38  
**Name:** 38. Classroom Faucet Cold  
**Alias:** AHL-D106-CF-20

**Sampled:** 07/28/21 10:40  
**Received:** 08/02/21 12:40  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	670	ug/L		1300	08/10/21 11:06	TJJ	EPA 200.8 REV 5.4
Lead	8.9	ug/L		15	08/10/21 11:06	TJJ	EPA 200.8 REV 5.4

**Sample:** EH00213-39  
**Name:** 39. Classroom Faucet Cold  
**Alias:** AHL-D104-CF-21

**Sampled:** 07/28/21 10:40  
**Received:** 08/02/21 12:40  
**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	3200	ug/L		**1300	08/12/21 09:30	KMC	EPA 200.8 REV 5.4
Lead	38	ug/L		**15	08/11/21 15:05	KMC	EPA 200.8 REV 5.4

**Sample:** EH00213-40  
**Name:** 40.  
**Matrix:** Drinking Water - Regular Sample

**Sampled:** 07/28/21 10:40  
**Received:** 08/02/21 12:40

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	270	ug/L		1300	08/10/21 11:09	TJJ	EPA 200.8 REV 5.4
Lead	1.7	ug/L		15	08/10/21 11:09	TJJ	EPA 200.8 REV 5.4



## ANALYTICAL RESULTS

Sample: EH00213-41  
Name: 41.  
Matrix: Drinking Water - Regular Sample

Sampled: 07/28/21 08:33  
Received: 08/02/21 12:40

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	140	ug/L		1300	08/10/21 11:10	TJJ	EPA 200.8 REV 5.4
Lead	1.0	ug/L		15	08/10/21 11:10	TJJ	EPA 200.8 REV 5.4

Sample: EH00213-42  
Name: 42.  
Matrix: Drinking Water - Regular Sample

Sampled: 07/28/21 08:43  
Received: 08/02/21 12:40

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	830	ug/L		1300	08/11/21 15:07	KMC	EPA 200.8 REV 5.4
Lead	25	ug/L		**15	08/11/21 15:07	KMC	EPA 200.8 REV 5.4

Sample: EH00213-43  
Name: 43.  
Matrix: Drinking Water - Regular Sample

Sampled: 07/28/21 08:45  
Received: 08/02/21 12:40

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	140	ug/L		1300	08/10/21 13:17	TJJ	EPA 200.8 REV 5.4
Lead	1.0	ug/L		15	08/10/21 13:17	TJJ	EPA 200.8 REV 5.4

Sample: EH00213-44  
Name: 44.  
Matrix: Drinking Water - Regular Sample

Sampled: 07/28/21 08:45  
Received: 08/02/21 12:40

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	440	ug/L		1300	08/10/21 13:19	TJJ	EPA 200.8 REV 5.4
Lead	7.7	ug/L		15	08/10/21 13:19	TJJ	EPA 200.8 REV 5.4





## ANALYTICAL RESULTS

Sample: EH00213-45  
Name: 45.  
Matrix: Drinking Water - Regular Sample

Sampled: 07/28/21 08:45  
Received: 08/02/21 12:40

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	290	ug/L		1300	08/10/21 13:20	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/10/21 13:20	TJJ	EPA 200.8 REV 5.4

Sample: EH00213-46  
Name: 46.  
Matrix: Drinking Water - Regular Sample

Sampled: 07/28/21 08:45  
Received: 08/02/21 12:40

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	290	ug/L		1300	08/10/21 13:22	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/10/21 13:22	TJJ	EPA 200.8 REV 5.4

Sample: EH00213-47  
Name: 47.  
Matrix: Drinking Water - Regular Sample

Sampled: 07/28/21 08:55  
Received: 08/02/21 12:40

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	320	ug/L		1300	08/10/21 13:23	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/10/21 13:23	TJJ	EPA 200.8 REV 5.4

Sample: EH00213-48  
Name: 48.  
Matrix: Drinking Water - Regular Sample

Sampled: 07/28/21 09:02  
Received: 08/02/21 12:40

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	700	ug/L		1300	08/10/21 13:32	TJJ	EPA 200.8 REV 5.4
Lead	5.8	ug/L		15	08/10/21 13:32	TJJ	EPA 200.8 REV 5.4



## ANALYTICAL RESULTS

Sample: EH00213-49  
Name: 49.  
Matrix: Drinking Water - Regular Sample

Sampled: 07/28/21 09:05  
Received: 08/02/21 12:40

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	270	ug/L		1300	08/10/21 13:34	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/10/21 13:34	TJJ	EPA 200.8 REV 5.4

Sample: EH00213-50  
Name: 50.  
Matrix: Drinking Water - Regular Sample

Sampled: 07/28/21 09:05  
Received: 08/02/21 12:40

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	260	ug/L		1300	08/10/21 13:35	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/10/21 13:35	TJJ	EPA 200.8 REV 5.4

Sample: EH00213-51  
Name: 51.  
Matrix: Drinking Water - Regular Sample

Sampled: 07/28/21 09:05  
Received: 08/02/21 12:40

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	260	ug/L		1300	08/10/21 13:37	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/10/21 13:37	TJJ	EPA 200.8 REV 5.4

Sample: EH00213-52  
Name: 52.  
Matrix: Drinking Water - Regular Sample

Sampled: 07/28/21 09:05  
Received: 08/02/21 12:40

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	250	ug/L		1300	08/10/21 13:38	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/10/21 13:38	TJJ	EPA 200.8 REV 5.4



## ANALYTICAL RESULTS

Sample: EH00213-53  
Name: 53.  
Matrix: Drinking Water - Regular Sample

Sampled: 07/28/21 09:05  
Received: 08/02/21 12:40

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	280	ug/L		1300	08/10/21 13:40	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/10/21 13:40	TJJ	EPA 200.8 REV 5.4

Sample: EH00213-54  
Name: 54.  
Matrix: Drinking Water - Regular Sample

Sampled: 07/28/21 09:20  
Received: 08/02/21 12:40

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	500	ug/L		1300	08/10/21 13:41	TJJ	EPA 200.8 REV 5.4
Lead	7.4	ug/L		15	08/10/21 13:41	TJJ	EPA 200.8 REV 5.4

Sample: EH00213-55  
Name: 55.  
Matrix: Drinking Water - Regular Sample

Sampled: 07/28/21 09:20  
Received: 08/02/21 12:40

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	340	ug/L		1300	08/10/21 13:43	TJJ	EPA 200.8 REV 5.4
Lead	2.1	ug/L		15	08/10/21 13:43	TJJ	EPA 200.8 REV 5.4

Sample: EH00213-56  
Name: 56.  
Matrix: Drinking Water - Regular Sample

Sampled: 07/28/21 09:20  
Received: 08/02/21 12:40

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	200	ug/L		1300	08/10/21 13:52	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	08/10/21 13:52	TJJ	EPA 200.8 REV 5.4



## ANALYTICAL RESULTS

**Sample:** EH00213-57  
**Name:** 57.  
**Matrix:** Drinking Water - Regular Sample

**Sampled:** 07/28/21 09:20  
**Received:** 08/02/21 12:40

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	510	ug/L		1300	08/10/21 13:53	TJJ	EPA 200.8 REV 5.4
Lead	7.5	ug/L		15	08/10/21 13:53	TJJ	EPA 200.8 REV 5.4

**Sample:** EH00213-58  
**Name:** 58.  
**Matrix:** Drinking Water - Regular Sample

**Sampled:** 07/28/21 09:20  
**Received:** 08/02/21 12:40

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>							
Copper	270	ug/L		1300	08/10/21 13:55	TJJ	EPA 200.8 REV 5.4
Lead	1.0	ug/L		15	08/10/21 13:55	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)

[illegible]

Location:	Alpha Hart Lewis Elementary School
Sample Date:	7/28/2021
Sample Time:	Various
Sampled By:	Kyle Vidusic

Sample No.	Coding System	Description	Sample Collected
1	AHL-A218-TLF	Teacher Lounge Faucet Cold	Yes
2	AHL-A219-EWC-1	Hallway by Room A219 - Electric Water Cooler	Yes
3	AHL-A228-NSF	Room A228 - Nurse Station Faucet	Yes
4	AHL-B219-EWC-4	Hallway by Room B219 - Electric Water Cooler	Yes
5	AHL-B209-EWC-6	Hall by B209 - Electric Water Cooler	Yes
6	AHL-C218-EWC-8	Hallby Room C218 - Electric Water Cooler	Yes
7	AHL-C205-EWC-10	Hall by Room C205 - Electric Water Cooler	Yes
8	AHL-C212-CF-1	Room C212 - Classroom Faucet Special Needs	Yes
9	AHL-D218-EW-12	Hall by Room D218 - Electric Water Cooler	Yes
10	AHL-D219-CF-2	Room D219 - Classroom Faucet	Yes
11	AHL-D214-CF-3	Room D214 - Classroom Faucet	Yes
12	AHL-A123-EWC-14	Room A123 - Electric Water Cooler Gym	Yes
13	AHL-A105-EWC-16	Room A105 - Electric Water Cooler Cafeteria	Yes
14	AHL-A109-KF-1	Room A109 - Kitchen Faucet Steam Kettle	Yes
15	AHL-A109-KF-2	Room A109 - Kitchen Faucet Island Sink	Yes
16	AHL-A109-KF-3	Room A109 - Kitchen Faucet Dish Washing	Yes
17	AHL-B102-EWC-18	Hall by Room B102 - Electric Water Cooler	Yes
18	AHL-B109-EWC-20	Hall by Room B109 - Electric Water Cooler	Yes
19	AHL-C114-EWC-22	Hall by Room C114 - Electric Water Cooler	Yes
20	AHL-C105-EWC-24	Hall by Room C105 - Electric Water Cooler	Yes
21	AHL-D105-EWC-26	hall by Room D105 - Electric Water Cooler	Yes
22	AHL-B112-CF-4	Room B112 - Classroom Faucet Cold	Yes
23	AHL-B111-CF-5	Room B111 - Classroom Faucet Cold	Yes
24	AHL-B110-CF-6	Room B110 - Classroom Faucet Cold	Yes
25	AHL-B108-CF-7	Room B108 - Classroom Faucet Cold	Yes
26	AHL-B107-CF-8	Room B107 - Classroom Faucet Cold	Yes
27	AHL-C117-CF-9	Room C117 - Classroom Faucet Cold	Yes
28	AHL-C115-CF-10	Room C115 - Classroom Faucet Cold	Yes
29	AHL-C114-CF-11	Room C114 - Classroom Faucet Cold	Yes
30	AHL-C112-CF-12	Room C112 - Classroom Faucet Cold	Yes
31	AHL-C108-CF-13	Room C108 - Classroom Faucet Cold	Yes
32	AHL-C107-CF-14	Room C107 - Classroom Faucet Cold	Yes
33	AHL-C106-CH-15	Room C106 - Classroom Faucet Cold	Yes
34	AHL-C104-CF-16	Room C104 - Classroom Faucet Cold	Yes
35	AHL-C103-CF-17	Room C103 - Classroom Faucet Cold	Yes
36	AHL-D108-CF-18	Room D108 - Classroom Faucet Cold	Yes
37	AHL-D107-CH-19	Room D107 - Classroom Faucet Cold	Yes
38	AHL-D106-CF-20	Room D106 - Classroom Faucet Cold	Yes
39	AHL-D104-CF-21	Room D104 - Classroom Faucet Cold	Yes
40	AHL-D103-CF-22	Room C103 - Classroom Faucet Cold	Yes

41	AHL-A201-CH-24	Room A201 - Art Room Faucet Cold	Yes
42	AHL-B212-CF-26	Room B212 - Classroom Faucet Cold	Yes
43	AHL-B211-CF-27	Room B211 - Classroom Faucet Cold	Yes
44	AHL-B210-CF-28	Room B210 - Classroom Faucet Cold	Yes
45	AHL-B208-CH-29	Room B208 - Classroom Faucet Cold	Yes
46	AHL-B207-CF-30	Room B207 - Classroom Faucet Cold	Yes
47	AHL-C215-CF-31	Room C215 - Classroom Faucet Cold	Yes
48	AHL-C214-CF-32	Room C214 - Classroom Faucet Cold	Yes
49	AHL-C208-CH-33	Room C208 - Classroom Faucet Cold	Yes
50	AHL-C207-CF-34	Room C207 - Classroom Faucet Cold	Yes
51	AHL-C206-CF-35	Room C206 - Classroom Faucet Cold	Yes
52	AHL-C204-CF-36	Room C204 - Classroom Faucet Cold	Yes
53	AHL-C203-CF-37	Room C203 - Classroom Faucet Cold	Yes
54	AHL-D211-CF-38	Room D211 - Classroom Faucet Cold	Yes
55	AHL-D209-CF-39	Room D209 - Classroom Faucet Cold	Yes
56	AHL-D206-CF-40	Room D206 - Classroom Faucet Cold	Yes
57	AHL-D204-CF-41	Room D204 - Classroom Faucet Cold	Yes
58	AHL-D202-CF-42	Room D202 - Classroom Faucet Cold	Yes





# "First Flush" Resample

## ANALYTICAL RESULTS

**Sample:** EL04058-01**Name:** 30. Room C112- Classroom Faucet Cold**Alias:** AHL-C112-CF-12**Sampled:** 12/14/21 07:05**Received:** 12/20/21 15:10**Matrix:** Drinking Water - Grab

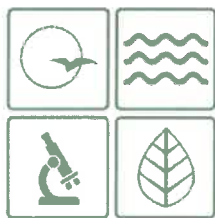
Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
<b>Total Metals - PIA</b>									
Copper	330	ug/L		01/06/22 05:26	1	3.0	01/06/22 10:42	JMW	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		01/06/22 05:26	1	1.0	01/06/22 10:42	JMW	EPA 200.8 REV 5.4

**Sample:** EL04058-02**Name:** 39. Room D104- Classroom Faucet Cold**Alias:** AHL-D104-CF-21**Sampled:** 12/14/21 07:05**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	200	ug/L		01/06/22 05:26	1	3.0	01/06/22 10:45	JMW	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		01/06/22 05:26	1	1.0	01/06/22 10:45	JMW	EPA 200.8 REV 5.4

**Sample:** EL04058-03**Name:** 42. Room B212- Classroom Faucet Cold**Alias:** AHL-B212-CF-26**Sampled:** 12/14/21 07:05**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	120	ug/L		01/06/22 05:26	1	3.0	01/06/22 10:55	JMW	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		01/06/22 05:26	1	1.0	01/06/22 10:55	JMW	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

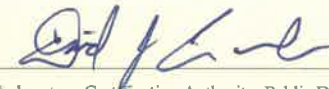
**Pace Analytical Services, LLC – Peoria, Illinois**

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.

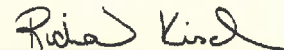
Certification Number 870

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