



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

DATE: JANUARY 6, 2022

FACILITY NAME: **RIDGEWAY ELEMENTARY SCHOOL**

**A. SAMPLE COLLECTION**

|  |        |
|--|--------|
| 1. NUMBER OF SAMPLES COLLECTED AT THIS FACILITY  | 32     |
| 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 26, 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 **32** sample(s) the laboratory received on **8/16/21 3:40 pm** and logged in under work order **EH03502**. 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    EH03502

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|     |  |
|-----|--|
| YES | Samples received within temperature compliance when applicable |
| YES | COC present upon sample receipt                                |
| NO  | COC completed & legible  |
| NO  | Sampler name & signature present                               |
| YES | Unique sample IDs assigned                                     |
| YES | Sample collection location recorded                            |
| YES | Date & time collected recorded on COC                          |
| YES | Relinquished by client signature on COC                        |
| YES | COC & labels match   |
| YES | Sample labels are legible                                      |
| YES | Appropriate bottle(s) received                                 |
| YES | Sufficient sample volume received                              |
| YES | Sample containers received undamaged                           |
| NO  | Zero headspace, <6 mm present in VOA vials                     |
| NO  | Trip blank(s) received   |
| YES | All non-field analyses received within holding times           |
| NO  | Short hold time analysis                                       |
| YES | Current PDC COC submitted                                      |
| NO  | Case narrative provided  |



ANALYTICAL RESULTS

Sample: EH03502-01
Name: 1. Room 13
Alias: RWE-13-DWF-1

Sampled: 08/16/21 07:11
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Table with 8 columns: Parameter, Result, Unit, Qualifier, MCL, Analyzed, Analyst, Method. Rows include Total Metals - PIA, Copper (62 ug/L), and Lead (27 ug/L).

Sample: EH03502-02
Name: 2. Hall by 13
Alias: RWE-H13-EWC-1

Sampled: 08/16/21 07:09
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Table with 8 columns: Parameter, Result, Unit, Qualifier, MCL, Analyzed, Analyst, Method. Rows include Total Metals - PIA, Copper (67 ug/L), and Lead (< 1.0 ug/L).

Sample: EH03502-03
Name: 3. Hall by 16
Alias: RWE-H16-EWC-2

Sampled: 08/16/21 07:13
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Table with 8 columns: Parameter, Result, Unit, Qualifier, MCL, Analyzed, Analyst, Method. Rows include Total Metals - PIA, Copper (290 ug/L), and Lead (1.1 ug/L).

Sample: EH03502-04
Name: 4. Room 15
Alias: RWE-15-DWF-2

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

Table with 8 columns: Parameter, Result, Unit, Qualifier, MCL, Analyzed, Analyst, Method. Rows include Total Metals - PIA, Copper (160 ug/L), and Lead (21 ug/L).



ANALYTICAL RESULTS

Sample: EH03502-05
Name: 5. Boys Restroom
Alias: RWE-\_\_-RRF-1

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

Table with 8 columns: Parameter, Result, Unit, Qualifier, MCL, Analyzed, Analyst, Method. Rows for Copper (150 ug/L) and Lead (26 ug/L).

Sample: EH03502-06
Name: 6. Girls Restroom
Alias: RWE-\_\_-RRF-2

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

Table with 8 columns: Parameter, Result, Unit, Qualifier, MCL, Analyzed, Analyst, Method. Rows for Copper (120 ug/L) and Lead (6.1 ug/L).

Sample: EH03502-07
Name: 7. Girls Restroom
Alias: RWE-\_\_-RRF-3

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

Table with 8 columns: Parameter, Result, Unit, Qualifier, MCL, Analyzed, Analyst, Method. Rows for Copper (160 ug/L) and Lead (10 ug/L).

Sample: EH03502-08
Name: 8. Boys Restroom
Alias: RWE-\_\_-RRF-4

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

Table with 8 columns: Parameter, Result, Unit, Qualifier, MCL, Analyzed, Analyst, Method. Rows for Copper (99 ug/L) and Lead (3.2 ug/L).



ANALYTICAL RESULTS

Sample: EH03502-09
Name: 9. Room 10
Alias: RWE-10-DWF-3

Sampled: 08/16/21 06:57
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Table with 8 columns: Parameter, Result, Unit, Qualifier, MCL, Analyzed, Analyst, Method. Rows for Total Metals - PIA, Copper, and Lead.

Sample: EH03502-10
Name: 10. Room 11
Alias: RWE-11-DWF-4

Sampled: 08/16/21 06:51
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Table with 8 columns: Parameter, Result, Unit, Qualifier, MCL, Analyzed, Analyst, Method. Rows for Total Metals - PIA, Copper, and Lead.

Sample: EH03502-11
Name: 11. Room 10 Restroom
Alias: RWE-10-RRF-5

Sampled: 08/16/21 06:53
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Table with 8 columns: Parameter, Result, Unit, Qualifier, MCL, Analyzed, Analyst, Method. Rows for Total Metals - PIA, Copper, and Lead.

Sample: EH03502-12
Name: 12. Room 11 Restroom
Alias: RWE-11-RRF-6

Sampled: 08/16/21 06:48
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Table with 8 columns: Parameter, Result, Unit, Qualifier, MCL, Analyzed, Analyst, Method. Rows for Total Metals - PIA, Copper, and Lead.



ANALYTICAL RESULTS

Sample: EH03502-13
Name: 13. Hall by 11
Alias: RWE-H11-EWC-3

Sampled: 08/16/21 06:46
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Table with 8 columns: Parameter, Result, Unit, Qualifier, MCL, Analyzed, Analyst, Method. Rows include Total Metals - PIA, Copper (81 ug/L), and Lead (< 1.0 ug/L).

Sample: EH03502-14
Name: 14. Room 9
Alias: RWE-9-DWF-5

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

Table with 8 columns: Parameter, Result, Unit, Qualifier, MCL, Analyzed, Analyst, Method. Rows include Total Metals - PIA, Copper (2500 ug/L), and Lead (63 ug/L).

Sample: EH03502-15
Name: 15. Room 9 Restroom
Alias: RWE-9-RRF-7

Sampled: 08/16/21 06:42
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Table with 8 columns: Parameter, Result, Unit, Qualifier, MCL, Analyzed, Analyst, Method. Rows include Total Metals - PIA, Copper (130 ug/L), and Lead (1.3 ug/L).

Sample: EH03502-16
Name: 16. Hall by Office
Alias: RWE-\_\_-EWC-4

Sampled: 08/16/21 06:36
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Table with 8 columns: Parameter, Result, Unit, Qualifier, MCL, Analyzed, Analyst, Method. Rows include Total Metals - PIA, Copper (370 ug/L), and Lead (12 ug/L).



ANALYTICAL RESULTS

Sample: EH03502-17
Name: 17. Nurses Office
Alias: RWE-6C-NSF-1

Sampled: 08/16/21 06:33
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Table with 8 columns: Parameter, Result, Unit, Qualifier, MCL, Analyzed, Analyst, Method. Rows for Total Metals - PIA, Copper, and Lead.

Sample: EH03502-18
Name: 18. Office Restroom
Alias: RWE-6B-RRF-8

Sampled: 08/16/21 06:30
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Table with 8 columns: Parameter, Result, Unit, Qualifier, MCL, Analyzed, Analyst, Method. Rows for Total Metals - PIA, Copper, and Lead.

Sample: EH03502-19
Name: 19. Office Room 6A
Alias: RWE-6A-TLF-1

Sampled: 08/16/21 06:34
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Table with 8 columns: Parameter, Result, Unit, Qualifier, MCL, Analyzed, Analyst, Method. Rows for Total Metals - PIA, Copper, and Lead.

Sample: EH03502-20
Name: 20. Room 8
Alias: RWE-8-EWC-5

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

Table with 8 columns: Parameter, Result, Unit, Qualifier, MCL, Analyzed, Analyst, Method. Rows for Total Metals - PIA, Copper, and Lead.





ANALYTICAL RESULTS

Sample: EH03502-21
Name: 21. Room 8 Restroom
Alias: RWE-8-RRF-9

Sampled: 08/16/21 06:23
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Table with 8 columns: Parameter, Result, Unit, Qualifier, MCL, Analyzed, Analyst, Method. Rows for Copper and Lead under Total Metals - PIA.

Sample: EH03502-22
Name: 22. Mens Restroom
Alias: RWE-\_\_-RRF-10

Sampled: 08/16/21 05:53
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Table with 8 columns: Parameter, Result, Unit, Qualifier, MCL, Analyzed, Analyst, Method. Rows for Copper and Lead under Total Metals - PIA.

Sample: EH03502-23
Name: 23. Mens Restroom
Alias: RWE-\_\_-RRF-11

Sampled: 08/16/21 05:53
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Table with 8 columns: Parameter, Result, Unit, Qualifier, MCL, Analyzed, Analyst, Method. Rows for Copper and Lead under Total Metals - PIA.

Sample: EH03502-24
Name: 24. Hall by Kitchen
Alias: RWE-\_\_-EWC-6

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

Table with 8 columns: Parameter, Result, Unit, Qualifier, MCL, Analyzed, Analyst, Method. Rows for Copper and Lead under Total Metals - PIA.



ANALYTICAL RESULTS

Sample: EH03502-25
Name: 25. Kitchen
Alias: RWE-\_\_-KF-1

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

Table with 8 columns: Parameter, Result, Unit, Qualifier, MCL, Analyzed, Analyst, Method. Rows for Copper (160 ug/L) and Lead (3.1 ug/L).

Sample: EH03502-26
Name: 26. Kitchen
Alias: RWE-\_\_-KF-2

Sampled: 08/16/21 06:20
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Table with 8 columns: Parameter, Result, Unit, Qualifier, MCL, Analyzed, Analyst, Method. Rows for Copper (89 ug/L) and Lead (2.6 ug/L).

Sample: EH03502-27
Name: 27. Room 2 Restroom
Alias: RWE-2-RRF-12

Sampled: 08/16/21 05:57
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Table with 8 columns: Parameter, Result, Unit, Qualifier, MCL, Analyzed, Analyst, Method. Rows for Copper (37 ug/L) and Lead (< 1.0 ug/L).

Sample: EH03502-28
Name: 28. Room 3 Restroom
Alias: RWE-3-RRF-13

Sampled: 08/16/21 06:00
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Table with 8 columns: Parameter, Result, Unit, Qualifier, MCL, Analyzed, Analyst, Method. Rows for Copper (22 ug/L) and Lead (2.2 ug/L).



ANALYTICAL RESULTS

Sample: EH03502-29
Name: 29. Teachers Lounge
Alias: RWE-5-TLF-2

Sampled: 08/16/21 06:03
Received: 08/16/21 15:40
Matrix: Drinking Water - Regular Sample

Table with 8 columns: Parameter, Result, Unit, Qualifier, MCL, Analyzed, Analyst, Method. Rows for Total Metals - PIA, Copper, and Lead.

Sample: EH03502-30
Name: 30. Hall by 5
Alias: RWE-H5-EWC-7

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

Table with 8 columns: Parameter, Result, Unit, Qualifier, MCL, Analyzed, Analyst, Method. Rows for Total Metals - PIA, Copper, and Lead.

Sample: EH03502-31
Name: 31. Room 4B Restroom
Alias: RWE-4B-RRF-14

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

Table with 8 columns: Parameter, Result, Unit, Qualifier, MCL, Analyzed, Analyst, Method. Rows for Total Metals - PIA, Copper, and Lead.

Sample: EH03502-32
Name: 32. Hall by Media Center
Alias: RWE-\_\_-EWC-8

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

Table with 8 columns: Parameter, Result, Unit, Qualifier, MCL, Analyzed, Analyst, Method. Rows for Total Metals - PIA, Copper, and Lead.



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

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

|   |   |   |   |   |  |
|---|---|---|---|---|--|
| <p><b>1</b> CLIENT<br/>Engineering Surveys &amp; Services<br/>1113 Fay Street<br/>Columbia, MO<br/>CONTACT PERSON<br/>Josh Lehmen</p>   | <p>PROJECT NUMBER<br/>L14571<br/>PHONE NUMBER<br/>573-449-2646<br/>SAMPLER (PLEASE PRINT)<br/>Josh Lehmen<br/>SAMPLER'S SIGNATURE</p> | <p>PROJECT LOCATION<br/>Columbia, MO<br/>E-MAIL<br/>jlehmen@ess-inc.com</p> | <p>PURCHASE ORDER #<br/>8-16-21<br/>DATE SHIPPED<br/>7-16-21<br/>MATRIX TYPES:<br/>WW-WASTEWATER<br/>GW-GROUNDWATER<br/>WWSL-SLUDGE<br/>NAS-NON AQUEOUS SOLID<br/>OIL-OIL<br/>SL-SLURRY<br/>SO-SOIL</p> | <p><b>3</b> ANALYSIS REQUESTED<br/>Lead Cont<br/>32</p> | <p><b>4</b> (FOR LAB USE ONLY)<br/>LOGIN # CH03502<br/>LOGGED BY: [Signature]<br/>CLIENT: [Signature]<br/>PROJECT:<br/>PROJ. MGR.:<br/>CUSTODY SEAL #:</p> |
| <p><b>2</b> SAMPLE DESCRIPTION (UNIQUE DESCRIPTION AS IT WILL APPEAR ON THE ANALYTICAL REPORT)<br/>Rideway Elem.</p>  |   |   |   |   |  |
| <p><b>5</b> TURNAROUND TIME REQUESTED (PLEASE CIRCLE) (RUSH TAT IS SUBJECT TO PDC LABS APPROVAL AND SURCHARGE)<br/>NORMAL RUSH<br/>RUSH RESULTS VIA (PLEASE CIRCLE) EMAIL PHONE</p>   |   |   |   |   |  |
| <p><b>6</b> CHEMICAL PRESERVATION CODES: 1 - HCL 2 - H2SO4 3 - HNO3 4 - NAOH 5 - NA2S2O3 6 - UNPRESERVED 7 - OTHER</p>  |   |   |   |   |  |
| <p><b>7</b> RELINQUISHED BY: (SIGNATURE) [Signature]<br/>RELINQUISHED BY: (SIGNATURE) [Signature]<br/>RELINQUISHED BY: (SIGNATURE) [Signature]</p>  |   |   |   |   |  |
| <p><b>8</b> COMMENTS: (FOR LAB USE ONLY)<br/>DATE 8-13-21 TIME 12:27<br/>DATE 8/16/21 TIME 1540<br/>SAMPLE TEMPERATURE UPON RECEIPT 20.1 °C<br/>CHILL PROCESS STARTED PRIOR TO RECEIPT Y OR N<br/>SAMPLE(S) RECEIVED ON ICE Y OR N<br/>SAMPLE ACCEPTANCE NONCONFORMANT REPORT IS NEEDED Y OR N<br/>DATE AND TIME TAKEN FROM SAMPLE BOTTLE</p> |   |   |   |   |  |

I understand that by initiating this box I give the lab permission to proceed with analysis, even though it may not meet all sample performance requirements as defined in the receiving facility's Sample Acceptance Policy and the data will be qualified. Qualified data may NOT be acceptable to report to all regulatory authorities.

PROCEED WITH ANALYSIS AND QUALIFY RESULTS: (INITIALS)

|              |                            |
|--------------|----------------------------|
| Location:    | Ridgeway Elementary School |
| Sample Date: | 8/13/2021                  |
| Sample Time: | Various                    |
| Sampled By:  | Kyle Vidusic               |

| Sample No. | Coding System  | Description                                  | Sample Collected |
|------------|----------------|--|------------------|
| 1          | RWE-13-DWF-1   | Room 13 - Drinking Water Fountain            | Yes              |
| 2          | RWE-H13-EWC-1  | Hall By 13 - Electric Water Cooler           | Yes              |
| 3          | RWE-H16-EWC-2  | Hall By 16 - Electric Water Cooler           | Yes              |
| 4          | RWE-15-DWF-2   | Room 15 - Drinking Water Fountain            | Yes              |
| 5          | RWE-BRR-RRF-1  | Boys Restroom East                           | Yes              |
| 6          | RWE-GRR-RRF-2  | Girls Restroom East                          | Yes              |
| 7          | RWE-GRR-RRF-3  | Girls Restroom West                          | Yes              |
| 8          | RWE-BRR-RRF-4  | Boys Restroom West                           | Yes              |
| 9          | RWE-10-DWF-3   | Room 10 - Drinking Water Fountain            | Yes              |
| 10         | RWE-11-DWF-4   | Room 11 - Drinking Water Fountain            | Yes              |
| 11         | RWE-10-RRF-5   | Room 10 Restroom                             | Yes              |
| 12         | RWE-11-RRF-6   | Room 11 Restroom                             | Yes              |
| 13         | RWE-H11-EWC-3  | Hall By 11 - Electric Water Cooler           | Yes              |
| 14         | RWE-9-DWF-5    | Room 9 - Drinking Water Fountain             | Yes              |
| 15         | RWE-9-RRF-7    | Room 9 Restroom                              | Yes              |
| 16         | RWE-OFF-EWC-4  | Hall By Office - Electric Water Cooler       | Yes              |
| 17         | RWE-6C-NSF-1   | Nurses Office                                | Yes              |
| 18         | RWE-6B-RRF-8   | Office Restroom                              | Yes              |
| 19         | RWE-6A-TLF-1   | Office Room 6A                               | Yes              |
| 20         | RWE-8-EWC-5    | Room 8 - Electric Water Cooler               | Yes              |
| 21         | RWE-8-RRF-9    | Room 8 Restroom                              | Yes              |
| 22         | RWE-MRR-RRF-10 | Mens Restroom                                | Yes              |
| 23         | RWE-MRR-RRF-11 | Mens Restroom                                | Yes              |
| 24         | RWE-KIT-EWC-6  | Hall By Kitchen                              | Yes              |
| 25         | RWE-KIT-KF-1   | Kitchen Faucet North                         | Yes              |
| 26         | RWE-KIT-KF-2   | Kitchen Faucet South                         | Yes              |
| 27         | RWE-2-RRF-12   | Room 2 Restroom                              | Yes              |
| 28         | RWE-3-RRF-13   | Room 3 Restroom                              | Yes              |
| 29         | RWE-5-TLF-2    | Teachers Lounge Faucet                       | Yes              |
| 30         | RWE-H5-EWC-7   | Hall by 5 - Electric Water Cooler            | Yes              |
| 31         | RWE-4B-RRF-14  | Room 4B Restroom                             | Yes              |
| 32         | RWE-MED-EWC-8  | Hall by Media Center - Electric Water Cooler | Yes              |
| 33         | RWE-           |  |                  |
| 34         | RWE-           |  |                  |
| 35         | RWE-           |  |                  |
| 36         | RWE-           |  |                  |
| 37         | RWE-           |  |                  |
| 38         | RWE-           |  |                  |
| 39         | RWE-           |  |                  |



# "FIRST FLUSH" RESAMPLING

## ANALYTICAL RESULTS

**Sample:** EL04058-72  
**Name:** 4. Room 15 - Drinking Water Fountain  
**Alias:** RWE-15-DWF-2

**Sampled:** 12/17/21 06:32  
**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                    | 53     | ug/L |           | 01/06/22 09:26 | 1        | 3.0 | 01/06/22 12:28 | KMC     | EPA 200.8 REV 5.4 |
| Lead                      | < 1.0  | ug/L |           | 01/06/22 09:26 | 1        | 1.0 | 01/06/22 12:28 | KMC     | EPA 200.8 REV 5.4 |



ANALYTICAL RESULTS

Sample: EL04058-73
Name: 5. Boys Restroom East
Alias: RWE-\_\_-RRF-1

Sampled: 12/17/21 06:35
Received: 12/20/21 15:10
Matrix: Drinking Water - Grab

Table with 10 columns: Parameter, Result, Unit, Qualifier, Prepared, Dilution, MRL, Analyzed, Analyst, Method. Includes Total Metals - PIA section with rows for Copper and Lead.

Sample: EL04058-74
Name: 10. Room 11 - Drinking Water Fountain
Alias: RWE-11-DWF-4

Sampled: 12/17/21 06:40
Received: 12/20/21 15:10
Matrix: Drinking Water - Grab

Table with 10 columns: Parameter, Result, Unit, Qualifier, Prepared, Dilution, MRL, Analyzed, Analyst, Method. Includes Total Metals - PIA section with rows for Copper and Lead.

Sample: EL04058-75
Name: 14. Room 9 - Drinking Water Fountain
Alias: RWE-9-DWF-5

Sampled: 12/17/21 06:42
Received: 12/20/21 15:10
Matrix: Drinking Water - Grab

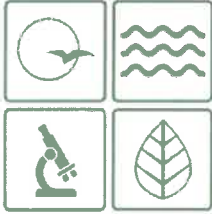
Table with 10 columns: Parameter, Result, Unit, Qualifier, Prepared, Dilution, MRL, Analyzed, Analyst, Method. Includes Total Metals - PIA section with rows for Copper and Lead.

Sample: EL04058-76
Name: 22. Mens Restroom
Alias: RWE-\_\_-RRF-10

Sampled: 12/17/21 06:46
Received: 12/20/21 15:10
Matrix: Drinking Water - Grab

Table with 10 columns: Parameter, Result, Unit, Qualifier, Prepared, Dilution, MRL, Analyzed, Analyst, Method. Includes Total Metals - PIA section with rows for Copper and Lead.





Missouri Department of [dnr.mo.gov](http://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.

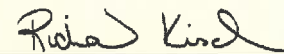
Certification Number 870

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