



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

DATE: JANUARY 6, 2022

FACILITY NAME: GRANT ELEMENTARY SCHOOL

A. SAMPLE COLLECTION

- | | |
|--|--------|
| 1. NUMBER OF SAMPLES COLLECTED AT THIS FACILITY | 30 |
| 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 **30** sample(s) the laboratory received on **7/23/21 3:30 pm** and logged in under work order **EG04890**. 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 EG04890

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: EG04890-01
Name: 1. Hall by Office - Electric Water Cooler
Alias: GRT-EWC-1

Sampled: 07/22/21 06:40
Received: 07/23/21 15:30
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	560	ug/L		1300	07/26/21 14:51	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/26/21 14:51	TJJ	EPA 200.8 REV 5.4

Sample: EG04890-02
Name: 2. Office - Nurses Station Faucet
Alias: GRT-NSF-1

Sampled: 07/22/21 06:42
Received: 07/23/21 15:30
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	440	ug/L		1300	07/26/21 14:52	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/26/21 14:52	TJJ	EPA 200.8 REV 5.4

Sample: EG04890-03
Name: 3. Room 1 Basement
Alias: GRT-DWF-1

Sampled: 07/22/21 07:05
Received: 07/23/21 15:30
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	95	ug/L		1300	07/26/21 14:54	TJJ	EPA 200.8 REV 5.4
Lead	3.8	ug/L		15	07/26/21 14:54	TJJ	EPA 200.8 REV 5.4

Sample: EG04890-04
Name: 4. Room 2 Basement
Alias: GRT-DWF-2

Sampled: 07/22/21 07:04
Received: 07/23/21 15:30
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	45	ug/L		1300	07/26/21 14:55	TJJ	EPA 200.8 REV 5.4
Lead	2.3	ug/L		15	07/26/21 14:55	TJJ	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: EG04890-05
Name: 5. Room 100 - Drinking Water Fountain
Alias: GRT-DWF-100

Sampled: 07/22/21 06:47
Received: 07/23/21 15:30
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	75	ug/L		1300	07/26/21 14:57	TJJ	EPA 200.8 REV 5.4
Lead	1.2	ug/L		15	07/26/21 14:57	TJJ	EPA 200.8 REV 5.4

Sample: EG04890-06
Name: 6. Room 101 - Drinking Water Fountain
Alias: GRT-DWF-101

Sampled: 07/22/21 06:45
Received: 07/23/21 15:30
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	42	ug/L		1300	07/26/21 14:58	TJJ	EPA 200.8 REV 5.4
Lead	1.9	ug/L		15	07/26/21 14:58	TJJ	EPA 200.8 REV 5.4

Sample: EG04890-07
Name: 7. Room 103 - Drinking Water Fountain
Alias: GRT-DWF-103

Sampled: 07/22/21 06:44
Received: 07/23/21 15:30
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	49	ug/L		1300	07/26/21 15:00	TJJ	EPA 200.8 REV 5.4
Lead	1.9	ug/L		15	07/26/21 15:00	TJJ	EPA 200.8 REV 5.4

Sample: EG04890-08
Name: 8. Room 102 - Drinking Water Fountain
Alias: GRT-DWF-102

Sampled: 07/22/21 06:44
Received: 07/23/21 15:30
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	74	ug/L		1300	07/26/21 15:09	TJJ	EPA 200.8 REV 5.4
Lead	1.5	ug/L		15	07/26/21 15:09	TJJ	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: EG04890-09
Name: 14. Next to 113 - Electric Water Cooler
Alias: GRT-EXC-113

Sampled: 07/22/21 06:31
Received: 07/23/21 15:30
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	300	ug/L		1300	07/26/21 15:11	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/26/21 15:11	TJJ	EPA 200.8 REV 5.4

Sample: EG04890-10
Name: 15. Room 111 - Teachers Lounge Bathroom Faucet
Alias: GRT-TLF-111-1

Sampled: 07/22/21 06:22
Received: 07/23/21 15:30
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	340	ug/L		1300	07/26/21 15:12	TJJ	EPA 200.8 REV 5.4
Lead	2.2	ug/L		15	07/26/21 15:12	TJJ	EPA 200.8 REV 5.4

Sample: EG04890-11
Name: 16. Room 111 - Teachers Lounge Faucet
Alias: GRT-TLF-111-2

Sampled: 07/22/21 06:23
Received: 07/23/21 15:30
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	430	ug/L		1300	07/27/21 09:54	TJJ	EPA 200.8 REV 5.4
Lead	12	ug/L		15	07/27/21 09:54	TJJ	EPA 200.8 REV 5.4

Sample: EG04890-12
Name: 17. Room 200 - Drinking Water Fountain
Alias: GRT-DWF-200

Sampled: 07/22/21 06:20
Received: 07/23/21 15:30
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	340	ug/L		1300	07/26/21 15:15	TJJ	EPA 200.8 REV 5.4
Lead	1.9	ug/L		15	07/26/21 15:15	TJJ	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: EG04890-13**Name:** 18. Hall by 201 - Electric Water Cooler**Alias:** GRT-EWC-201**Sampled:** 07/22/21 06:13**Received:** 07/23/21 15:30**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	250	ug/L		1300	07/26/21 15:17	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/26/21 15:17	TJJ	EPA 200.8 REV 5.4

Sample: EG04890-14**Name:** 19. Room 201 - Drinking Water Fountain**Alias:** GRT-DWF-201**Sampled:** 07/22/21 06:14**Received:** 07/23/21 15:30**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	310	ug/L		1300	07/26/21 15:18	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/26/21 15:18	TJJ	EPA 200.8 REV 5.4

Sample: EG04890-15**Name:** 20. Room 203 - Drinking Water Fountain**Alias:** GRT-DWF-203**Sampled:** 07/22/21 06:16**Received:** 07/23/21 15:30**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	250	ug/L		1300	07/26/21 15:20	TJJ	EPA 200.8 REV 5.4
Lead	2.1	ug/L		15	07/26/21 15:20	TJJ	EPA 200.8 REV 5.4

Sample: EG04890-16**Name:** 21. Room 202 - Classroom Faucet**Alias:** GRT-CF-202**Sampled:** 07/22/21 06:18**Received:** 07/23/21 15:30**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	120	ug/L		1300	07/27/21 09:57	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 09:57	TJJ	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: EG04890-17
Name: 22. Room 300 - Drinking Water Fountain
Alias: GRT-DWF-300

Sampled: 07/22/21 06:22
Received: 07/23/21 15:30
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	250	ug/L		1300	07/27/21 09:58	TJJ	EPA 200.8 REV 5.4
Lead	4.4	ug/L		15	07/27/21 09:58	TJJ	EPA 200.8 REV 5.4

Sample: EG04890-18
Name: 23. Hall by 301 - Electric Water Cooler
Alias: GRT-EWC-301

Sampled: 07/22/21 06:00
Received: 07/23/21 15:30
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	330	ug/L		1300	07/27/21 10:00	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 10:00	TJJ	EPA 200.8 REV 5.4

Sample: EG04890-19
Name: 24. Room 301 - Drinking Water Fountain
Alias: GRT-DWF-301

Sampled: 07/22/21 06:25
Received: 07/23/21 15:30
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	390	ug/L		1300	07/27/21 10:01	TJJ	EPA 200.8 REV 5.4
Lead	18	ug/L		**15	07/27/21 10:01	TJJ	EPA 200.8 REV 5.4

Sample: EG04890-20
Name: 25. Room 302 - Classroom Faucet
Alias: GRT-CF-302

Sampled: 07/22/21 06:27
Received: 07/23/21 15:30
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	160	ug/L		1300	07/27/21 10:03	TJJ	EPA 200.8 REV 5.4
Lead	1.3	ug/L		15	07/27/21 10:03	TJJ	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: EG04890-21
Name: 26. Room 303 - Drinking Water Fountain
Alias: GRT-DWF-303

Sampled: 07/22/21 06:37
Received: 07/23/21 15:30
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	470	ug/L		1300	07/27/21 10:04	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 10:04	TJJ	EPA 200.8 REV 5.4

Sample: EG04890-22
Name: 27. Room 106 - Teachers Lounge Faucet
Alias: GRT-TLF-106

Sampled: 07/22/21 06:48
Received: 07/23/21 15:30
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	860	ug/L		1300	07/27/21 10:17	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 10:17	TJJ	EPA 200.8 REV 5.4

Sample: EG04890-23
Name: 28. Room 94 - Classroom Faucet
Alias: GRT-CF-94

Sampled: 07/22/21 06:49
Received: 07/23/21 15:30
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	760	ug/L		1300	07/27/21 10:19	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 10:19	TJJ	EPA 200.8 REV 5.4

Sample: EG04890-24
Name: 29. Hall by Room 91 - Electric Water Cooler
Alias: GRT-EWC-91

Sampled: 07/22/21 06:50
Received: 07/23/21 15:30
Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	210	ug/L		1300	07/27/21 10:23	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 10:23	TJJ	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: EG04890-25**Name:** 30. Room 88 - Classroom Faucet**Alias:** GRT-CF-88**Sampled:** 07/22/21 06:51**Received:** 07/23/21 15:30**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	700	ug/L		1300	07/27/21 10:24	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 10:24	TJJ	EPA 200.8 REV 5.4

Sample: EG04890-26**Name:** 31. Room 86 - Classroom Faucet**Alias:** GRT-CF-86**Sampled:** 07/22/21 06:52**Received:** 07/23/21 15:30**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	630	ug/L		1300	07/27/21 10:26	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 10:26	TJJ	EPA 200.8 REV 5.4

Sample: EG04890-27**Name:** 32. Room 83 - Classroom Faucet**Alias:** GRT-CF-83**Sampled:** 07/22/21 06:54**Received:** 07/23/21 15:30**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	970	ug/L		1300	07/27/21 10:27	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 10:27	TJJ	EPA 200.8 REV 5.4

Sample: EG04890-28**Name:** 33. Kitchen Faucet**Alias:** GRT-KF**Sampled:** 07/22/21 06:59**Received:** 07/23/21 15:30**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	110	ug/L		1300	07/27/21 10:29	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 10:29	TJJ	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: EG04890-29**Name:** 34. Cafeteria Electric Water Cooler**Alias:** GRT-EWC-CAF**Sampled:** 07/22/21 07:00**Received:** 07/23/21 15:30**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	270	ug/L		1300	07/27/21 10:30	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 10:30	TJJ	EPA 200.8 REV 5.4

Sample: EG04890-30**Name:** 35. Room 04 - Classroom Faucet**Alias:** GRT-CF-04**Sampled:** 07/22/21 07:02**Received:** 07/23/21 15:30**Matrix:** Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	530	ug/L		1300	07/27/21 10:37	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/27/21 10:37	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





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 STATE ZIP Columbia, MO CONTACT PERSON Josh Lehmen		PROJECT NUMBER L14571		PROJECT LOCATION Columbia, MO		PURCHASE ORDER #		3 ANALYSIS REQUESTED										4 (FOR LAB USE ONLY) LOGIN # <u>EG04890-30</u> LOGGED BY: <u>DCW</u> CLIENT: PROJECT: PROJ. MGR.: CUSTODY SEAL #:		
PHONE NUMBER 573-449-2646		E-MAIL jlehmen@ess-inc.com		DATE SHIPPED 7-16-21		MATRIX TYPES: WW- WASTEWATER DW- DRINKING WATER GW- GROUND WATER WWSL- SLUDGE NAS- NON AQUEOUS SOLID LCHT- LEACHATE OIL- OIL SO- SOIL SOL- SOLID		<div>30</div>										REMARKS		
SAMPLER (PLEASE PRINT) Josh Lehmen		SAMPLER'S SIGNATURE																		
2 SAMPLE DESCRIPTION (UNIQUE DESCRIPTION AS IT WILL APPEAR ON THE ANALYTICAL REPORT) <u>Grant Elementary</u>		DATE COLLECTED <u>7/22/21</u>	TIME COLLECTED	SAMPLE TYPE GRAB COMP X		MATRIX TYPE	BOTTLE COUNT	PRES CODE CLIENT PROVIDED												
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>		DATE <u>7/22/21</u>	TIME <u>11:31 AM</u>	RECEIVED BY: (SIGNATURE) <u>[Signature]</u>		DATE <u>7-22-21</u>	TIME <u>11:53</u>	8 COMMENTS: (FOR LAB USE ONLY)												
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME	SAMPLE TEMPERATURE UPON RECEIPT <u>21.1</u> °C												
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE) <u>[Signature]</u>		DATE <u>7/23/21</u>	TIME <u>1530</u>	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:	Grant Elementary School
Sample Date:	7/22/2021
Sample Time:	Various
Sampled By:	Josh Lehmen

Sample No.	Coding System	Description	Sample Collected
1	GRT-EWC-1	Hall by Office - Electric Water Cooler	6:40 AM
2	GRT-NSF-1	Office - Nurses Station Faucet	6:42 AM
3	GRT-DWF-1	Room 1 basement	7:05 AM
4	GRT-DWF-2	Room 2 basement	7:04 AM
5	GRT-DWF-100	Room 100 - Drinking Water Fountain	6:47 AM
6	GRT-DWF-101	Room 101 - Drinking Water Fountain	6:45 AM
7	GRT-DWF-103	Room 103 - Drinking Water Fountain	6:44 AM
8	GRT-DWF-102	Room 102 - Drinking Water Fountain	6:44 AM
9	GRT-CF-104	Reconstruction Area N/A	
10	GRT-EWC-2	Reconstruction Area N/A	
11	GRT-KF-1	Reconstruction Area N/A	
12	GRT-KF-2	Reconstruction Area N/A	
13	GRT-KF-3	Reconstruction Area N/A	
14	GRT-EXC-113	Next to 113 - Electric Water Cooler	6:31 AM
15	GRT-TLF-111-1	Room 111 - Teachers Lounge Bathroom Faucet	6:22 AM
16	GRT-TLF-111-2	Room 111 - Teachers Lounge Faucet	6:23 AM
17	GRT-DWF-200	Room 200 - Drinking Water Fountain	6:20 AM
18	GRT-EWC-201	Hall by 201 - Electric Water Cooler	6:13 AM
19	GRT-DWF-201	Room 201 - Drinking Water Fountain	6:14 AM
20	GRT-DWF-203	Room 203 - Drinking Water Fountain	6:16 AM
21	GRT-CF-202	Room 202 - Classroom Faucet	6:18 AM
22	GRT-DWF-300	Room 300 - Drinking Water Fountain	6:22 AM
23	GRT-EWC-301	Hall by 301 - Electric Water Cooler	6:00 AM
24	GRT-DWF-301	Room 301 - Drinking Water Fountain	6:25 AM
25	GRT-CF-302	Room 302 - Classroom Faucet	6:27 AM
26	GRT-DWF-303	Room 303 - Drinking Water Fountain	6:37 AM
27	GRT-TLF-106	Room 106 - Teachers Lounge Faucet	6:48 AM
28	GRT-CF-94	Room 94 - Classroom Faucet	6:49 AM
29	GRT-EWC-91	Hall by Room 91 - Electric Water Cooler	6:50 AM
30	GRT-CF-88	Room 88 - Classroom Faucet	6:51 AM
31	GRT-CF-86	Room 86 - Classroom Faucet	6:52 AM
32	GRT-CF-83	Room 83 - Classroom Faucet	6:54 AM
33	GRT-KF	Kitchen Faucet	6:59 AM
34	GRT-EWC-CAF	Cafeteria Electric Water Cooler	7:00 AM
35	GRT-CF-04	Room 04 - Classroom Faucet	7:02 AM
36	GRT-		
37	GRT-		
38	GRT-		
39	GRT-		

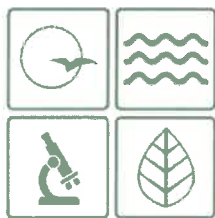


"FIRST FLUSH" RESAMPLING

ANALYTICAL RESULTS

Sample: EL04058-37**Name:** 24. Room 301 - Drinking Water Fountain**Alias:** GRT-DWF-301**Sampled:** 12/09/21 06:40**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	300	ug/L		01/06/22 09:26	1	3.0	01/06/22 10:34	KMC	EPA 200.8 REV 5.4
Lead	13	ug/L		01/06/22 09:26	1	1.0	01/06/22 10:34	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

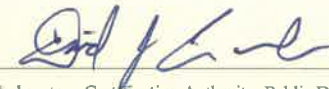
Pace Analytical Services, LLC – Peoria, Illinois

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.

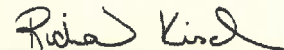
Certification Number 870

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