



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

DATE: JANUARY 6, 2022

FACILITY NAME: **SMITHTON MIDDLE SCHOOL**

A. SAMPLE COLLECTION

- | | |
|--|--------|
| 1. NUMBER OF SAMPLES COLLECTED AT THIS FACILITY | 63 |
| 2. PERCENTAGE OF SAMPLES BELOW COPPER ACTION LIMITS | 100.0% |
| 1. COPPER ACTION LIMIT = 1,300 UG/ | |
| 3. PERCENTAGE OF SAMPLES BELOW LEAD ACTION LIMITS | 100.0% |
| 1. LEAD ACTION LIMIT = 15 UG/L | |
| (The requirement in the USEPA Lead and Copper Rule for public water supplies is 90% passing) | |

B. SAMPLE EXCEEDANCE

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

C. CONCLUSION

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

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

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

Prepared By:

Joshua D. Lehmen, PE



August 13, 2021

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

RE: L14571 Smithton MS

Dear Josh Lehmen:

Please find enclosed the analytical results for the **58** sample(s) the laboratory received on **7/19/21 10:09 am** and logged in under work order **EG03517**. 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 EG03517

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
NO	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 Sample #53 SMS-H201-EWC-11, Electric Water Cooler Outside Room 201 - Bottle was not received at lab.
ESS Sample #61 SMS-102-TLF, Teacher's Lounge Faucet - Bottle was received empty at the lab.





ANALYTICAL RESULTS

Sample: EG03517-01
Name: 1. Nurses Office Sink
Alias: SMS-__-NSF-1

Sampled: 07/16/21 06:15
Received: 07/19/21 10:09
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	200	ug/L		1300	07/20/21 14:02	TJJ	EPA 200.8 REV 5.4
Lead	4.2	ug/L		15	07/20/21 14:02	TJJ	EPA 200.8 REV 5.4

Sample: EG03517-02
Name: 2. Main Office Break Room Sink
Alias: SMS-__-TLF-1

Sampled: 07/16/21 06:18
Received: 07/19/21 10:09
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	200	ug/L		1300	07/20/21 14:04	TJJ	EPA 200.8 REV 5.4
Lead	2.8	ug/L		15	07/20/21 14:04	TJJ	EPA 200.8 REV 5.4

Sample: EG03517-03
Name: 3. Concession Stand Sink
Alias: SMS-942-CF-1

Sampled: 07/16/21 06:58
Received: 07/19/21 10:09
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	450	ug/L		1300	07/20/21 14:05	TJJ	EPA 200.8 REV 5.4
Lead	45	ug/L		**15	07/20/21 14:05	TJJ	EPA 200.8 REV 5.4

Sample: EG03517-04
Name: 6. Drinking Water Fountain Room 101
Alias: SMS-101-DWF-1

Sampled: 07/16/21 06:16
Received: 07/19/21 10:09
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	200	ug/L		1300	07/20/21 14:07	TJJ	EPA 200.8 REV 5.4
Lead	1.0	ug/L		15	07/20/21 14:07	TJJ	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: EG03517-05**Name:** 7. Drinking Water Fountain Room 103**Alias:** SMS-103-DWF-2**Sampled:** 07/16/21 06:17**Received:** 07/19/21 10:09**Matrix:** Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	160	ug/L		1300	07/20/21 14:08	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/20/21 14:08	TJJ	EPA 200.8 REV 5.4

Sample: EG03517-06**Name:** 8. Drinking Water Fountain Room 105**Alias:** SMS-105-DWF-3**Sampled:** 07/16/21 06:17**Received:** 07/19/21 10:09**Matrix:** Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	170	ug/L		1300	07/20/21 14:10	TJJ	EPA 200.8 REV 5.4
Lead	8.3	ug/L		15	07/20/21 14:10	TJJ	EPA 200.8 REV 5.4

Sample: EG03517-07**Name:** 9. Drinking Water Fountain Room 107**Alias:** SMS-107-DWF-4**Sampled:** 07/16/21 06:20**Received:** 07/19/21 10:09**Matrix:** Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	150	ug/L		1300	07/20/21 14:11	TJJ	EPA 200.8 REV 5.4
Lead	9.3	ug/L		15	07/20/21 14:11	TJJ	EPA 200.8 REV 5.4

Sample: EG03517-08**Name:** 10. Faucet Room 108**Alias:** SMS-108-CF-2**Sampled:** 07/16/21 06:19**Received:** 07/19/21 10:09**Matrix:** Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	300	ug/L		1300	07/21/21 14:49	TJJ	EPA 200.8 REV 5.4
Lead	11	ug/L		15	07/21/21 14:49	TJJ	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: EG03517-09
Name: 11. Faucet Room 106
Alias: SMS-106-CF-3

Sampled: 07/16/21 06:18
Received: 07/19/21 10:09
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	180	ug/L		1300	07/20/21 14:22	TJJ	EPA 200.8 REV 5.4
Lead	3.6	ug/L		15	07/20/21 14:22	TJJ	EPA 200.8 REV 5.4

Sample: EG03517-10
Name: 13. Drinking Water Fountain Room 111
Alias: SMS-111-DWF-5

Sampled: 07/16/21 06:21
Received: 07/19/21 10:09
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	190	ug/L		1300	07/20/21 14:23	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/20/21 14:23	TJJ	EPA 200.8 REV 5.4

Sample: EG03517-11
Name: 14. Drinking Water Fountain Room 113
Alias: SMS-113-DWF-6

Sampled: 07/16/21 06:20
Received: 07/19/21 10:09
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	770	ug/L		1300	07/20/21 14:25	TJJ	EPA 200.8 REV 5.4
Lead	210	ug/L		**15	07/20/21 14:25	TJJ	EPA 200.8 REV 5.4

Sample: EG03517-12
Name: 15. Drinking Water Fountain Room 115
Alias: SMS-115-DWF-7

Sampled: 07/16/21 06:23
Received: 07/19/21 10:09
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	150	ug/L		1300	07/20/21 14:26	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/20/21 14:26	TJJ	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: EG03517-13
Name: 16. Drinking Water Fountain Room 117
Alias: SMS-117-DWF-8

Sampled: 07/16/21 06:20
Received: 07/19/21 10:09
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	140	ug/L		1300	07/20/21 14:28	TJJ	EPA 200.8 REV 5.4
Lead	6.9	ug/L		15	07/20/21 14:28	TJJ	EPA 200.8 REV 5.4

Sample: EG03517-14
Name: 17. Faucet Room 118
Alias: SMS-118-CF-4

Sampled: 07/16/21 06:35
Received: 07/19/21 10:09
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	450	ug/L		1300	07/20/21 14:29	TJJ	EPA 200.8 REV 5.4
Lead	17	ug/L		**15	07/20/21 14:29	TJJ	EPA 200.8 REV 5.4

Sample: EG03517-15
Name: 18. Faucet Room 116
Alias: SMS-116-CF-5

Sampled: 07/16/21 06:32
Received: 07/19/21 10:09
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	300	ug/L		1300	07/20/21 14:31	TJJ	EPA 200.8 REV 5.4
Lead	17	ug/L		**15	07/20/21 14:31	TJJ	EPA 200.8 REV 5.4

Sample: EG03517-16
Name: 19. Faucet in Teachers Lounge Room 141
Alias: SMS-141-TLF-2

Sampled: 07/16/21 06:31
Received: 07/19/21 10:09
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	87	ug/L		1300	07/20/21 14:40	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/20/21 14:40	TJJ	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: EG03517-17
Name: 20. Drinking Water Fountain Room 160
Alias: SMS-160-DWF-9

Sampled: 07/16/21 06:28
Received: 07/19/21 10:09
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	190	ug/L		1300	07/20/21 14:41	TJJ	EPA 200.8 REV 5.4
Lead	9.4	ug/L		15	07/20/21 14:41	TJJ	EPA 200.8 REV 5.4

Sample: EG03517-18
Name: 21. Faucet Room 161
Alias: SMS-161-CF-6

Sampled: 07/16/21 06:45
Received: 07/19/21 10:09
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	230	ug/L		1300	07/20/21 14:43	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/20/21 14:43	TJJ	EPA 200.8 REV 5.4

Sample: EG03517-19
Name: 22. Faucet Room 162
Alias: SMS-162-CF-7

Sampled: 07/16/21 00:00
Received: 07/19/21 10:09
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	320	ug/L		1300	07/20/21 14:44	TJJ	EPA 200.8 REV 5.4
Lead	1.0	ug/L		15	07/20/21 14:44	TJJ	EPA 200.8 REV 5.4

Sample: EG03517-20
Name: 23. Faucet Room 163
Alias: SMS-163-CF-8

Sampled: 07/16/21 07:45
Received: 07/19/21 10:09
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	340	ug/L		1300	07/20/21 14:46	TJJ	EPA 200.8 REV 5.4
Lead	9.7	ug/L		15	07/20/21 14:46	TJJ	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: EG03517-21
Name: 24. Faucet Room 164
Alias: SMS-164-CF-9

Sampled: 07/16/21 07:47
Received: 07/19/21 10:09
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	210	ug/L		1300	07/20/21 14:47	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/20/21 14:47	TJJ	EPA 200.8 REV 5.4

Sample: EG03517-22
Name: 25. Faucet Room 166
Alias: SMS-166-CF-10

Sampled: 07/16/21 07:50
Received: 07/19/21 10:09
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	210	ug/L		1300	07/20/21 14:49	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/20/21 14:49	TJJ	EPA 200.8 REV 5.4

Sample: EG03517-23
Name: 26. Faucet Room 168
Alias: SMS-168-CF-11

Sampled: 07/16/21 07:50
Received: 07/19/21 10:09
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	210	ug/L		1300	07/20/21 14:50	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/20/21 14:50	TJJ	EPA 200.8 REV 5.4

Sample: EG03517-24
Name: 27. West Faucet Room 167
Alias: SMS-167-CF-12

Sampled: 07/16/21 07:50
Received: 07/19/21 10:09
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	220	ug/L		1300	07/20/21 15:00	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/20/21 15:00	TJJ	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: EG03517-25
Name: 28. East Faucet Room 167
Alias: SMS-167-CF-13

Sampled: 07/16/21 07:50
Received: 07/19/21 10:09
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	230	ug/L		1300	07/20/21 15:01	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/20/21 15:01	TJJ	EPA 200.8 REV 5.4

Sample: EG03517-26
Name: 29. East Faucet Room 165
Alias: SMS-165-CF-14

Sampled: 07/16/21 07:50
Received: 07/19/21 10:09
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	220	ug/L		1300	07/20/21 15:03	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/20/21 15:03	TJJ	EPA 200.8 REV 5.4

Sample: EG03517-27
Name: 30. West Faucet Room 165
Alias: SMS-165-CF-15

Sampled: 07/16/21 07:54
Received: 07/19/21 10:09
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	220	ug/L		1300	07/20/21 15:04	TJJ	EPA 200.8 REV 5.4
Lead	1.0	ug/L		15	07/20/21 15:04	TJJ	EPA 200.8 REV 5.4

Sample: EG03517-28
Name: 32. Drinking Water Fountain Room 150
Alias: SMS-150-DWF-10

Sampled: 07/16/21 07:55
Received: 07/19/21 10:09
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	140	ug/L		1300	07/20/21 15:05	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/20/21 15:05	TJJ	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: EG03517-29
Name: 33. Faucet Room 152
Alias: SMS-152-CF-16

Sampled: 07/16/21 00:00
Received: 07/19/21 10:09
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	180	ug/L		1300	07/20/21 15:07	TJJ	EPA 200.8 REV 5.4
Lead	1.0	ug/L		15	07/20/21 15:07	TJJ	EPA 200.8 REV 5.4

Sample: EG03517-30
Name: 34. Faucet Room 154
Alias: SMS-154-CF-17

Sampled: 07/16/21 00:00
Received: 07/19/21 10:09
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	170	ug/L		1300	07/20/21 15:08	TJJ	EPA 200.8 REV 5.4
Lead	5.3	ug/L		15	07/20/21 15:08	TJJ	EPA 200.8 REV 5.4

Sample: EG03517-31
Name: 35. North Faucet Room 153
Alias: SMS-153-CF-18

Sampled: 07/16/21 07:53
Received: 07/19/21 10:09
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	170	ug/L		1300	07/20/21 15:10	TJJ	EPA 200.8 REV 5.4
Lead	1.0	ug/L		15	07/20/21 15:10	TJJ	EPA 200.8 REV 5.4

Sample: EG03517-32
Name: 36. Central Faucet Room 153
Alias: SMS-153-CF-19

Sampled: 07/16/21 07:55
Received: 07/19/21 10:09
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	210	ug/L		1300	07/20/21 15:19	TJJ	EPA 200.8 REV 5.4
Lead	1.6	ug/L		15	07/20/21 15:19	TJJ	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: EG03517-33
Name: 37. South Faucet Room 153
Alias: SMS-153-CF-20

Sampled: 07/16/21 07:55
Received: 07/19/21 10:09
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	210	ug/L		1300	07/20/21 15:21	TJJ	EPA 200.8 REV 5.4
Lead	7.3	ug/L		15	07/20/21 15:21	TJJ	EPA 200.8 REV 5.4

Sample: EG03517-34
Name: 38. Electric Water Cooler Outside Room 180
Alias: SMS-180-EWC-5

Sampled: 07/16/21 08:02
Received: 07/19/21 10:09
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	380	ug/L		1300	07/20/21 15:22	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/20/21 15:22	TJJ	EPA 200.8 REV 5.4

Sample: EG03517-35
Name: 39. Electric Water Cooler Outside Room 181
Alias: SMS-181-EWC-6

Sampled: 07/16/21 00:00
Received: 07/19/21 10:09
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	310	ug/L		1300	07/20/21 15:24	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/20/21 15:24	TJJ	EPA 200.8 REV 5.4

Sample: EG03517-36
Name: 40. Electric Water Cooler Outside Room 99
Alias: SMS-99-EWC-7

Sampled: 07/16/21 08:05
Received: 07/19/21 10:09
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	370	ug/L		1300	07/20/21 15:25	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/20/21 15:25	TJJ	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: EG03517-37
Name: 41. Electric Water Cooler Outside Room 98
Alias: SMS-98-EWC-8

Sampled: 07/16/21 08:09
Received: 07/19/21 10:09
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	260	ug/L		1300	07/20/21 15:27	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/20/21 15:27	TJJ	EPA 200.8 REV 5.4

Sample: EG03517-38
Name: 42. Electric Water Cooler Outside Room 97
Alias: SMS-97-EWC-9

Sampled: 07/16/21 07:09
Received: 07/19/21 10:09
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	320	ug/L		1300	07/20/21 15:28	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/20/21 15:28	TJJ	EPA 200.8 REV 5.4

Sample: EG03517-39
Name: 43. Kitchen Faucet Main Sink Area
Alias: SMS-__-KF-1

Sampled: 07/16/21 07:10
Received: 07/19/21 10:09
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	97	ug/L		1300	07/20/21 15:30	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/20/21 15:30	TJJ	EPA 200.8 REV 5.4

Sample: EG03517-40
Name: 45. Drinking Water Fountain Room 1150
Alias: SMS-211-DWF-11

Sampled: 07/16/21 07:18
Received: 07/19/21 10:09
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	140	ug/L		1300	07/20/21 15:39	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/20/21 15:39	TJJ	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: EG03517-41
Name: 46. Drinking Water Fountain Room 1150
Alias: SMS-213-DWF-12

Sampled: 07/16/21 07:19
Received: 07/19/21 10:09
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	160	ug/L		1300	07/20/21 15:40	TJJ	EPA 200.8 REV 5.4
Lead	12	ug/L		15	07/20/21 15:40	TJJ	EPA 200.8 REV 5.4

Sample: EG03517-42
Name: 47. Drinking Water Fountain Room 1150
Alias: SMS-215-DWF-13

Sampled: 07/16/21 07:20
Received: 07/19/21 10:09
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	140	ug/L		1300	07/20/21 15:42	TJJ	EPA 200.8 REV 5.4
Lead	7.9	ug/L		15	07/20/21 15:42	TJJ	EPA 200.8 REV 5.4

Sample: EG03517-43
Name: 48. Drinking Water Fountain Room 1150
Alias: SMS-217-DWF-14

Sampled: 07/16/21 07:25
Received: 07/19/21 10:09
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	120	ug/L		1300	07/20/21 15:43	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/20/21 15:43	TJJ	EPA 200.8 REV 5.4

Sample: EG03517-44
Name: 49. Faucet Room 154
Alias: SMS-218-CF-21

Sampled: 07/16/21 07:25
Received: 07/19/21 10:09
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	740	ug/L		1300	07/20/21 15:45	TJJ	EPA 200.8 REV 5.4
Lead	14	ug/L		15	07/20/21 15:45	TJJ	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: EG03517-45
Name: 50. Faucet Room 154
Alias: SMS-218-CF-22

Sampled: 07/16/21 07:25
Received: 07/19/21 10:09
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	150	ug/L		1300	07/20/21 15:46	TJJ	EPA 200.8 REV 5.4
Lead	8.0	ug/L		15	07/20/21 15:46	TJJ	EPA 200.8 REV 5.4

Sample: EG03517-46
Name: 51. Faucet Room 154
Alias: SMS-216-CF-23

Sampled: 07/16/21 07:23
Received: 07/19/21 10:09
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	220	ug/L		1300	07/20/21 15:48	TJJ	EPA 200.8 REV 5.4
Lead	18	ug/L		**15	07/20/21 15:48	TJJ	EPA 200.8 REV 5.4

Sample: EG03517-48
Name: 54. Drinking Water Fountain Room 201
Alias: SMS-201-DWF-15

Sampled: 07/16/21 07:28
Received: 07/19/21 10:09
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	150	ug/L		1300	07/20/21 15:49	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/20/21 15:49	TJJ	EPA 200.8 REV 5.4

Sample: EG03517-49
Name: 55. Drinking Water Fountain Room 203
Alias: SMS-203-DWF-16

Sampled: 07/16/21 07:28
Received: 07/19/21 10:09
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	130	ug/L		1300	07/20/21 15:58	TJJ	EPA 200.8 REV 5.4
Lead	5.4	ug/L		15	07/20/21 15:58	TJJ	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: EG03517-50
Name: 56. Drinking Water Fountain Room 207
Alias: SMS-205-DWF-17

Sampled: 07/16/21 00:00
Received: 07/19/21 10:09
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	150	ug/L		1300	07/20/21 16:00	TJJ	EPA 200.8 REV 5.4
Lead	14	ug/L		15	07/20/21 16:00	TJJ	EPA 200.8 REV 5.4

Sample: EG03517-51
Name: 57. Drinking Water Fountain Room 208
Alias: SMS-207-DWF-18

Sampled: 07/16/21 07:30
Received: 07/19/21 10:09
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	150	ug/L		1300	07/20/21 16:01	TJJ	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		15	07/20/21 16:01	TJJ	EPA 200.8 REV 5.4

Sample: EG03517-52
Name: 58. Faucet Room 208
Alias: SMS-208-CF-25

Sampled: 07/16/21 00:00
Received: 07/19/21 10:09
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	200	ug/L		1300	07/20/21 16:03	TJJ	EPA 200.8 REV 5.4
Lead	11	ug/L		15	07/20/21 16:03	TJJ	EPA 200.8 REV 5.4

Sample: EG03517-53
Name: 59. Faucet Room 206
Alias: SMS-206-CF-26

Sampled: 07/16/21 07:32
Received: 07/19/21 10:09
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	190	ug/L		1300	07/20/21 16:04	TJJ	EPA 200.8 REV 5.4
Lead	17	ug/L		**15	07/20/21 16:04	TJJ	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: EG03517-54
Name: 60. North Cafeteria Faucet
Alias: SMS-CAF-CF-N

Sampled: 07/16/21 07:15
Received: 07/19/21 10:09
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	210	ug/L		1300	07/20/21 16:06	TJJ	EPA 200.8 REV 5.4
Lead	7.7	ug/L		15	07/20/21 16:06	TJJ	EPA 200.8 REV 5.4

Sample: EG03517-56
Name: 62. Teacher's Lounge Faucet
Alias: SMS-143-TLF

Sampled: 07/16/21 07:40
Received: 07/19/21 10:09
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	170	ug/L		1300	07/20/21 16:07	TJJ	EPA 200.8 REV 5.4
Lead	18	ug/L		**15	07/20/21 16:07	TJJ	EPA 200.8 REV 5.4

Sample: EG03517-57
Name: 63. South Cafeteria Faucet
Alias: SMS-CAF-CF-S

Sampled: 07/16/21 08:13
Received: 07/19/21 10:09
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	220	ug/L		1300	07/20/21 16:09	TJJ	EPA 200.8 REV 5.4
Lead	2.7	ug/L		15	07/20/21 16:09	TJJ	EPA 200.8 REV 5.4

Sample: EG03517-58
Name: 5. Electric Water Cooler Outside Room 101
Alias: SMS-H101-EWC-2

Sampled: 07/16/21 06:16
Received: 07/19/21 10:09
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	MCL	Analyzed	Analyst	Method
Total Metals - PIA							
Copper	210	ug/L		1300	07/21/21 15:48	KMC	EPA 200.8 REV 5.4
Lead	< 1.1	ug/L		15	07/21/21 15:48	KMC	EPA 200.8 REV 5.4



NOTES

Specifications regarding method revisions and method modifications used for analysis are available upon request. Please contact your project manager.

* Not a TNI accredited analyte

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:	Smithon Middle School
Sample Date:	7/16/2021
Sample Time:	Various
Sampled By:	Kyle Vidusic

Sample No.	Coding System	Description	Sample Collected
1	SMS-NRS-NSF-1	Nurses Office Sink	Yes
2	SMS-OFF-TLF-1	Main Office Break Room Sink	Yes
3	SMS-942-CF-1	Concession Stand Sink	Yes
4	SMS-H942-EWC-1	Electric Water Cooler Outside Room 942	Yes
5	SMS-H101-EWC-2	Electric Water Cooler Outside Room 101	Yes
6	SMS-101-DWF-1	Drinking Water Fountain Room 101	Yes
7	SMS-103-DWF-2	Drinking Water Fountain Room 103	Yes
8	SMS-105-DWF-3	Drinking Water Fountain Room 105	Yes
9	SMS-107-DWF-4	Drinking Water Fountain Room 107	Yes
10	SMS-108-CF-2	Faucet Room 108 - Classroom Faucet	Yes
11	SMS-106-CF-3	Faucet Room 106 - Classroom Faucet	Yes
12	SMS-H111-EWC-3	Electric Water Cooler Outside Room 111	Yes
13	SMS-111-DWF-5	Drinking Water Fountain Room 111	Yes
14	SMS-113-DWF-6	Drinking Water Fountain Room 113	Yes
15	SMS-115-DWF-7	Drinking Water Fountain Room 115	Yes
16	SMS-117-DWF-8	Drinking Water Fountain Room 117	Yes
17	SMS-118-CF-4	Faucet Room 118 - Classroom Faucet	Yes
18	SMS-116-CF-5	Faucet Room 116 - Classroom Faucet	Yes
19	SMS-141-TLF-2	Faucet in Teachers Lounge Room 141	Yes
20	SMS-160-DWF-9	Drinking Water Fountain Room 160	Yes
21	SMS-161-CF-6	Faucet Room 161 - Classroom Faucet	Yes
22	SMS-162-CF-7	Faucet Room 162 - Classroom Faucet	Yes
23	SMS-163-CF-8	Faucet Room 163 - Classroom Faucet	Yes
24	SMS-164-CF-9	Faucet Room 164 - Classroom Faucet	Yes
25	SMS-166-CF-10	Faucet Room 166 - Classroom Faucet	Yes
26	SMS-168-CF-11	Faucet Room 168 - Classroom Faucet	Yes
27	SMS-167-CF-12	West Faucet Room 167 - Classroom Faucet	Yes
28	SMS-167-CF-13	East Faucet Room 167 - Classroom Faucet	Yes
29	SMS-165-CF-14	East Faucet Room 165 - Classroom Faucet	Yes
30	SMS-165-CF-15	West Faucet Room 165 - Classroom Faucet	Yes
31	SMS-H150-EWC-4	Electric Water Cooler Outside Room 150	Yes
32	SMS-150-DWF-10	Drinking Water Fountain Room 150	Yes
33	SMS-152-CF-16	Faucet Room 152 - Classroom Faucet	Yes
34	SMS-154-CF-17	Faucet Room 154 - Classroom Faucet	Yes
35	SMS-153-CF-18	North Faucet Room 153 - Classroom Faucet	Yes
36	SMS-153-CF-19	Central Faucet Room 153 - Classroom Faucet	Yes
37	SMS-153-CF-20	South Faucet Room 153 - Classroom Faucet	Yes
38	SMS-180-EWC-5	Electric Water Cooler Outside Room 180	Yes
39	SMS-181-EWC-6	Electric Water Cooler Outside Room 181	Yes

40	SMS-99-EWC-7	Electric Water Cooler Outside Room 99	Yes
41	SMS-98-EWC-8	Electric Water Cooler Outside Room 98	Yes
42	SMS-97-EWC-9	Electric Water Cooler Outside Room 97	Yes
43	SMS-__-KF-1	Kitchen Faucet Main Sink Area	Yes
44	SMS-H211-EWC-10	Electric Water Cooler Outside Room 211	Yes
45	SMS-211-DWF-11	Drinking Water Fountain Room 1150	Yes
46	SMS-213-DWF-12	Drinking Water Fountain Room 1150	Yes
47	SMS-215-DWF-13	Drinking Water Fountain Room 1150	Yes
48	SMS-217-DWF-14	Drinking Water Fountain Room 1150	Yes
49	SMS-218-CF-21	Faucet Room 154 - Classroom Faucet	Yes
50	SMS-218-CF-22	Faucet Room 154 - Classroom Faucet	Yes
51	SMS-216-CF-23	Faucet Room 154 - Classroom Faucet	Yes
52	SMS-202-CF-24	Faucet Room 154 - Classroom Faucet	Yes
53	SMS-H201-EWC-11	Electric Water Cooler Outside Room 201	Yes
54	SMS-201-DWF-15	Drinking Water Fountain Room 201	Yes
55	SMS-203-DWF-16	Drinking Water Fountain Room 203	Yes
56	SMS-205-DWF-17	Drinking Water Fountain Room 207	Yes
57	SMS-207-DWF-18	Drinking Water Fountain Room 208	Yes
58	SMS-208-CF-25	Faucet Room 208 - Classroom Faucet	Yes
59	SMS-206-CF-26	Faucet Room 206 - Classroom Faucet	Yes
60	SMS-CAF-CF-N	North Cafaterie Faucet - Classroom Faucet	Yes
61	SMS-102-TLF	Teacher's Lounge Faucet	Yes
62	SMS-143-TLF	Teacher's Lounge Faucet	Yes
63	SMS-CAF-CF-S	South Cafaterie Faucet - Classroom Faucet	Yes



"FIRST FLUSH" RESAMPLING

ANALYTICAL RESULTS

Sample: EL04058-95
Name: 3. Concession Stand Sink
Alias: SMS-942-CF-1

Sampled: 12/17/21 05:06
Received: 12/20/21 15:10
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Copper	100	ug/L		01/06/22 09:26	1	3.0	01/06/22 13:42	KMC	EPA 200.8 REV 5.4
Lead	3.2	ug/L		01/06/22 09:26	1	1.0	01/06/22 13:42	KMC	EPA 200.8 REV 5.4

Sample: EL04058-96
Name: 4. Electric Water Cooler Outside Room 942
Alias: SMS-H942-EWC-1

Sampled: 12/17/21 06:01
Received: 12/20/21 15:10
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Copper	150	ug/L		01/06/22 09:26	1	3.0	01/06/22 13:44	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		01/06/22 09:26	1	1.0	01/06/22 13:44	KMC	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: EL04058-97
Name: 5. Electric Water Cooler Outside Room 101
Alias: SMS-H101-EWC-2

Sampled: 12/17/21 05:50
Received: 12/20/21 15:10
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Copper	230	ug/L		01/06/22 09:26	1	3.0	01/06/22 13:45	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		01/06/22 09:26	1	1.0	01/06/22 13:45	KMC	EPA 200.8 REV 5.4

Sample: EL04058-98
Name: 12. Electric Water Cooler Outside Room 111
Alias: SMS-H111-EWC-3

Sampled: 12/17/21 05:38
Received: 12/20/21 15:10
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Copper	270	ug/L		01/06/22 09:26	1	3.0	01/06/22 13:53	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		01/06/22 09:26	1	1.0	01/06/22 13:53	KMC	EPA 200.8 REV 5.4

Sample: EL04058-99
Name: 14. Drinking Water Fountain Room 113
Alias: SMS-113-DWF-6

Sampled: 12/17/21 05:05
Received: 12/20/21 15:10
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Copper	170	ug/L		01/06/22 09:26	1	3.0	01/06/22 13:55	KMC	EPA 200.8 REV 5.4
Lead	2.3	ug/L		01/06/22 09:26	1	1.0	01/06/22 13:55	KMC	EPA 200.8 REV 5.4

Sample: EL04058-AA
Name: 17. Faucet Room 118
Alias: SMS-118-CF-4

Sampled: 12/17/21 05:32
Received: 12/20/21 15:10
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Copper	160	ug/L		01/06/22 09:26	1	3.0	01/06/22 13:56	KMC	EPA 200.8 REV 5.4
Lead	2.9	ug/L		01/06/22 09:26	1	1.0	01/06/22 13:56	KMC	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: EL04058-AB
Name: 18. Faucet Room 116
Alias: SMS-116-CF-5

Sampled: 12/17/21 05:30
Received: 12/20/21 15:10
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Copper	150	ug/L		01/06/22 09:26	1	3.0	01/06/22 13:58	KMC	EPA 200.8 REV 5.4
Lead	1.1	ug/L		01/06/22 09:26	1	1.0	01/06/22 13:58	KMC	EPA 200.8 REV 5.4

Sample: EL04058-AC
Name: 31. Electric Water Cooler Outside Room 150
Alias: SMS-H150-EWC-4

Sampled: 12/17/21 06:09
Received: 12/20/21 15:10
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Copper	130	ug/L		01/06/22 09:26	1	3.0	01/06/22 13:59	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		01/06/22 09:26	1	1.0	01/06/22 13:59	KMC	EPA 200.8 REV 5.4

Sample: EL04058-AD
Name: 44. Electric Water Cooler Outside Room 211
Alias: SMS-H211-EWC-10

Sampled: 12/17/21 05:43
Received: 12/20/21 15:10
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Copper	270	ug/L		01/06/22 09:26	1	3.0	01/06/22 14:01	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		01/06/22 09:26	1	1.0	01/06/22 14:01	KMC	EPA 200.8 REV 5.4

Sample: EL04058-AE
Name: 51. Faucet Room 154
Alias: SMS-216-CF-23

Sampled: 12/17/21 06:00
Received: 12/20/21 15:10
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Copper	140	ug/L		01/06/22 09:26	1	3.0	01/06/22 14:02	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		01/06/22 09:26	1	1.0	01/06/22 14:02	KMC	EPA 200.8 REV 5.4



ANALYTICAL RESULTS

Sample: EL04058-AF
Name: 52. Faucet Room 154
Alias: SMS-202-CF-24

Sampled: 12/17/21 06:00
Received: 12/20/21 15:10
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Copper	100	ug/L		01/06/22 09:26	1	3.0	01/06/22 14:04	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		01/06/22 09:26	1	1.0	01/06/22 14:04	KMC	EPA 200.8 REV 5.4

Sample: EL04058-AG
Name: 59. Faucet Room 206
Alias: SMS-206-CF-26

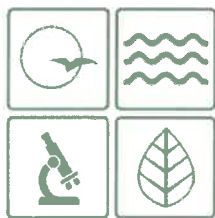
Sampled: 12/17/21 05:48
Received: 12/20/21 15:10
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Copper	160	ug/L		01/06/22 09:26	1	3.0	01/06/22 14:33	KMC	EPA 200.8 REV 5.4
Lead	1.6	ug/L		01/06/22 09:26	1	1.0	01/06/22 14:33	KMC	EPA 200.8 REV 5.4

Sample: EL04058-AH
Name: 62. Teacher's Lounge Faucet
Alias: SMS-143-TLF

Sampled: 12/17/21 05:48
Received: 12/20/21 15:10
Matrix: Drinking Water - Grab

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Copper	140	ug/L		01/06/22 09:26	1	3.0	01/06/22 14:35	KMC	EPA 200.8 REV 5.4
Lead	< 1.0	ug/L		01/06/22 09:26	1	1.0	01/06/22 14:35	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

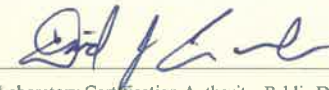
Pace Analytical Services, LLC – Peoria, Illinois

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