54

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

DATE: APRIL 13, 2022

FACILITY NAME: OAKLAND MIDDLE SCHOOL

A. SAMPLE COLLECTION

1. NUMBER OF SAMPLES COLLECTED AT THIS FACILITY

2. PERCENTAGE OF SAMPLES BELOW COPPER ACTION LIMITS 100.0%

COPPER ACTION LIMIT = 1,300 UG/

3. PERCENTAGE OF SAMPLES BELOW LEAD ACTION LIMITS 98.1%

 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 1

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:

Jahn DLA

Joshua D. Lehmen, PE



PDC Laboratories, Inc.

PROFESSIONAL • DEPENDABLE • COMMITTED

August 25, 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 **55** sample(s) the laboratory received on **8/2/21 12:40 pm** and logged in under work order **EH00230**. 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 EH00230 |
|-----|--|
| | |
| 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 |

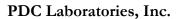
Customer #: www.pdclab.com Page 2 of 22



Case Narrative

ESS Samples #40-56 were not listed on the COC or ESS sampling form however, bottles were received with labels. No information except ESS sample numberand times collected were on labels.

Customer #: www.pdclab.com Page 3 of 22







 Sample:
 EH00230-01
 Sampled:
 07/28/21 07:14

 Name:
 1. Room 176
 Received:
 08/02/21 12:40

Alias: OMS-176-CF-1 Matrix: Drinking Water - Regular Sample

Parameter Result Unit Qualifier MCL Analyzed Analyst Method Total Metals - PIA 270 1300 EPA 200.8 REV 5.4 Copper ug/L 08/10/21 13:56 TJJ Lead < 1.0 15 08/10/21 13:56 TJJ EPA 200.8 REV 5.4 ug/L

 Sample:
 EH00230-02
 Sampled:
 07/28/21 07:10

 Name:
 2. Room 174-1
 Received:
 08/02/21 12:40

Alias: OMS-174-CF-2 Matrix: Drinking Water - Regular Sample

Analyst **Parameter** Result Unit Qualifier MCL Method Analyzed <u>Total Metals - PIA</u> 230 1300 Copper ug/L 08/10/21 13:58 TJJ EPA 200.8 REV 5.4 Lead 1.3 15 08/10/21 13:58 EPA 200.8 REV 5.4 ug/L

 Sample:
 EH00230-03
 Sampled:
 07/28/21 07:10

 Name:
 3. Room 174-2
 Received:
 08/02/21 12:40

Alias: OMS-174-CF-3 Matrix: Drinking Water - Regular Sample

Qualifier MCL **Parameter** Result Unit Analyzed Analyst Method Total Metals - PIA Copper 210 ug/L 1300 08/10/21 13:59 TJJ EPA 200.8 REV 5.4 Lead < 1.0 15 08/10/21 13:59 TJJ EPA 200.8 REV 5.4 ug/L

 Sample:
 EH00230-04
 Sampled:
 07/28/21 07:10

 Name:
 4. Room 174-3
 Received:
 08/02/21 12:40

Alias: OMS-174-CF-4 Matrix: Drinking Water - Regular Sample

Qualifier MCL Analyst Method Result Unit **Parameter** Analyzed **Total Metals - PIA** Copper 170 ug/L 1300 08/10/21 14:01 TJJ EPA 200.8 REV 5.4 Lead < 1.0 ug/L 15 08/10/21 14:01 TJJ EPA 200.8 REV 5.4

Customer #: www.pdclab.com Page 5 of 22



 Sample:
 EH00230-05
 Sampled:
 07/28/21 07:10

 Name:
 5. Room 174-4
 Received:
 08/02/21 12:40

Alias: OMS-174-CF-5 Matrix: Drinking Water - Regular Sample

Parameter Result Unit Qualifier MCL Analyzed Analyst Method Total Metals - PIA 1300 08/10/21 14:02 EPA 200.8 REV 5.4 Copper 220 ug/L TJJ Lead < 1.0 15 08/10/21 14:02 TJJ EPA 200.8 REV 5.4 ug/L

 Sample:
 EH00230-06
 Sampled:
 07/28/21 07:10

 Name:
 6. Room 174-5
 Received:
 08/02/21 12:40

Alias: OMS-174-CF-6 Matrix: Drinking Water - Regular Sample

Analyst **Parameter** Result Unit Qualifier MCL Method Analyzed <u>Total Metals - PIA</u> 220 1300 Copper ug/L 08/10/21 14:12 TJJ EPA 200.8 REV 5.4 Lead 1.3 15 08/10/21 14:12 EPA 200.8 REV 5.4 ug/L

 Sample:
 EH00230-07
 Sampled:
 07/28/21 07:10

 Name:
 7. Room 174-6
 Received:
 08/02/21 12:40

Alias: OMS-174-CF-7 Matrix: Drinking Water - Regular Sample

Qualifier MCL **Parameter** Result Unit Analyzed Analyst Method Total Metals - PIA Copper 190 1300 08/10/21 14:13 TJJ EPA 200.8 REV 5.4 ug/L Lead < 1.0 15 08/10/21 14:13 TJJ EPA 200.8 REV 5.4 ug/L

 Sample:
 EH00230-08
 Sampled:
 07/28/21 07:14

 Name:
 8. Room 175
 Received:
 08/02/21 12:40

Alias: OMS-175-CF-8 Matrix: Drinking Water - Regular Sample

Qualifier MCL Analyst Method Result Unit **Parameter** Analyzed **Total Metals - PIA** Copper 620 ug/L 1300 08/10/21 14:15 TJJ EPA 200.8 REV 5.4 Lead 33 ug/L **15 08/10/21 14:15 TJJ EPA 200.8 REV 5.4

Customer #: www.pdclab.com Page 6 of 22



Sampled: 07/28/21 07:14 Sample: EH00230-09 9. Room 175 Received: 08/02/21 12:40 Name:

OMS-175-CF-9 Alias: Matrix: Drinking Water - Regular Sample

Parameter Result Unit Qualifier MCL Analyzed Analyst Method Total Metals - PIA 720 1300 08/10/21 14:16 EPA 200.8 REV 5.4 Copper ug/L TJJ Lead 1.6 15 08/10/21 14:16 TJJ EPA 200.8 REV 5.4 ug/L

Sample: EH00230-10 Sampled: 07/28/21 07:07 Name: 10. Room 173 Received: 08/02/21 12:40

Alias: OMS-173-CF-10 Matrix: Drinking Water - Regular Sample

Parameter Result Unit Qualifier MCL Method Analyzed Analyst <u>Total Metals - PIA</u> 1300 Copper 250 ug/L 08/10/21 14:17 TJJ EPA 200.8 REV 5.4 Lead < 1.0 15 08/10/21 14:17 EPA 200.8 REV 5.4 ug/L

Sample: EH00230-11 Sampled: 07/28/21 07:03

Name: 11. Hall by Locker Rooms Received: 08/02/21 12:40

OMS-__-EWC-1 Drinking Water - Regular Sample Alias: Matrix:

Qualifier MCL **Parameter** Result Unit Analyzed Analyst Method Total Metals - PIA Copper 290 1300 08/10/21 14:19 TJJ EPA 200.8 REV 5.4 ug/L Lead < 1.0 15 08/10/21 14:19 TJJ EPA 200.8 REV 5.4 ug/L

Sampled: 07/28/21 07:00 Sample: EH00230-12 Name:

12. Girls Locker Room Received: 08/02/21 12:40

OMS-__-EWC-2 Drinking Water - Regular Sample Alias: Matrix:

Qualifier MCL Result Unit Analyst Method **Parameter** Analyzed **Total Metals - PIA** Copper 310 ug/L 1300 08/10/21 14:20 TJJ EPA 200.8 REV 5.4 Lead 24 ug/L **15 08/10/21 14:20 TJJ EPA 200.8 REV 5.4

Page 7 of 22 Customer #: www.pdclab.com



Sample: EH00230-13 Sampled: 07/28/21 07:01

 Name:
 13. Girls Locker Room

 Received:
 08/02/21 12:40

Alias: OMS-_-CF-10 Matrix: Drinking Water - Regular Sample

Parameter Result Unit Qualifier MCL Analyzed Analyst Method Total Metals - PIA 480 1300 08/10/21 14:22 EPA 200.8 REV 5.4 Copper ug/L TJJ Lead 33 **15 08/10/21 14:22 TJJ EPA 200.8 REV 5.4 ug/L

Sample: EH00230-14 Sampled: 07/28/21 07:43

Name: 14. Boys Locker Room **Received:** 08/02/21 12:40

Alias: OMS-__-EWC-3 Matrix: Drinking Water - Regular Sample

Analyst Method **Parameter** Result Unit Qualifier MCL Analyzed <u>Total Metals - PIA</u> 270 1300 Copper ug/L 08/10/21 14:31 TJJ EPA 200.8 REV 5.4 Lead 15 15 08/10/21 14:31 TJJ EPA 200.8 REV 5.4 ug/L

 Sample:
 EH00230-15

 Sampled:
 07/28/21 07:43

Name: 15. Boys Locker Room Received: 08/02/21 12:40

Alias: OMS-_-CF-11 Matrix: Drinking Water - Regular Sample

Qualifier MCL **Parameter** Result Unit Analyzed Analyst Method Total Metals - PIA Copper 170 1300 08/10/21 14:33 TJJ EPA 200.8 REV 5.4 ug/L **15 Lead 32 08/10/21 14:33 TJJ EPA 200.8 REV 5.4 ug/L

 Sample:
 EH00230-16
 Sampled:
 07/28/21 06:50

 Name:
 16. Kitchen
 Received:
 08/02/21 12:40

Alias: OMS-__-KF_1 Matrix: Drinking Water - Regular Sample

Qualifier MCL Result Unit Analyst Method **Parameter** Analyzed **Total Metals - PIA** Copper 180 ug/L 1300 08/10/21 14:34 TJJ EPA 200.8 REV 5.4 Lead < 1.0 ug/L 15 08/10/21 14:34 TJJ EPA 200.8 REV 5.4

Customer #: www.pdclab.com Page 8 of 22



 Sample:
 EH00230-17
 Sampled:
 07/28/21 06:50

 Name:
 17. Kitchen
 Received:
 08/02/21 12:40

Alias: OMS-_-KF_2 Matrix: Drinking Water - Regular Sample

Parameter Result Unit Qualifier MCL Analyzed Analyst Method Total Metals - PIA 1300 08/10/21 14:36 EPA 200.8 REV 5.4 Copper 210 ug/L TJJ Lead < 1.0 15 08/10/21 14:36 TJJ EPA 200.8 REV 5.4 ug/L

 Sample:
 EH00230-18
 Sampled:
 07/28/21 06:50

 Name:
 18. Kitchen
 Received:
 08/02/21 12:40

Alias: OMS-__-KF_3 Matrix: Drinking Water - Regular Sample

Analyst **Parameter** Result Unit Qualifier MCL Method Analyzed <u>Total Metals - PIA</u> 1300 Copper 180 ug/L 08/10/21 14:37 TJJ EPA 200.8 REV 5.4 Lead 2.0 15 08/10/21 14:37 EPA 200.8 REV 5.4 ug/L

 Sample:
 EH00230-19
 Sampled:
 07/28/21 06:50

 Name:
 19. Kitchen
 Received:
 08/02/21 12:40

Alias: OMS-__-KF_4 Matrix: Drinking Water - Regular Sample

Qualifier MCL **Parameter** Result Unit Analyzed Analyst Method Total Metals - PIA Copper 430 1300 08/10/21 14:38 TJJ EPA 200.8 REV 5.4 ug/L Lead 1.9 15 08/10/21 14:38 TJJ EPA 200.8 REV 5.4 ug/L

 Sample:
 EH00230-20
 Sampled:
 07/28/21 06:50

 Name:
 20. Kitchen
 Received:
 08/02/21 12:40

Alias: OMS-__-KF_5 Matrix: Drinking Water - Regular Sample

Qualifier MCL Result Unit Analyst Method **Parameter** Analyzed **Total Metals - PIA** Copper 290 ug/L 1300 08/10/21 14:40 TJJ EPA 200.8 REV 5.4 Lead 5.6 ug/L 15 08/10/21 14:40 TJJ EPA 200.8 REV 5.4

Customer #: www.pdclab.com Page 9 of 22



 Sample:
 EH00230-21
 Sampled:
 07/28/21 06:50

 Name:
 21. Kitchen
 Received:
 08/02/21 12:40

Alias: OMS-_-KF_6 Matrix: Drinking Water - Regular Sample

Parameter Result Unit Qualifier MCL Analyzed Analyst Method Total Metals - PIA 1300 08/10/21 14:41 EPA 200.8 REV 5.4 Copper 520 ug/L TJJ Lead 4.9 15 08/10/21 14:41 TJJ EPA 200.8 REV 5.4 ug/L

 Sample:
 EH00230-22
 Sampled:
 07/28/21 06:31

 Name:
 22. By Cafeteria
 Received:
 08/02/21 12:40

Alias: OMS-__-EWC-4 Matrix: Drinking Water - Regular Sample

Analyst **Parameter** Result Unit Qualifier MCL Method Analyzed <u>Total Metals - PIA</u> 79 1300 Copper ug/L 08/10/21 14:51 TJJ EPA 200.8 REV 5.4 Lead 6.7 15 08/10/21 14:51 EPA 200.8 REV 5.4 ug/L

 Sample:
 EH00230-23
 Sampled:
 07/28/21 06:28

 Name:
 23. Hall by 117
 Received:
 08/02/21 12:40

Alias: OMS-H117-EWC-5 Matrix: Drinking Water - Regular Sample

Qualifier MCL **Parameter** Result Unit Analyzed Analyst Method Total Metals - PIA Copper 300 1300 08/10/21 14:52 TJJ EPA 200.8 REV 5.4 ug/L Lead 7.6 15 08/10/21 14:52 TJJ EPA 200.8 REV 5.4 ug/L

 Sample:
 EH00230-24
 Sampled:
 07/28/21 06:27

 Name:
 24. Room 117
 Received:
 08/02/21 12:40

Alias: OMS-117-CF-12 Matrix: Drinking Water - Regular Sample

Qualifier MCL Analyst Method Result Unit **Parameter** Analyzed **Total Metals - PIA** Copper 120 ug/L 1300 08/10/21 14:54 TJJ EPA 200.8 REV 5.4 Lead 10 ug/L 15 08/10/21 14:54 TJJ EPA 200.8 REV 5.4

Customer #: www.pdclab.com Page 10 of 22



Sample: EH00230-25

27. Hall by Boys Restroom Name:

OMS-__-EWC-6 Alias:

Sampled: 07/28/21 06:13

Received: 08/02/21 12:40

Drinking Water - Regular Sample Matrix:

| Parameter | Result | Unit | Qualifier | MCL | Analyzed | Analyst | Method | | |
|--------------------|------------------------------------|------|-----------|------|----------------|---------|-------------------|--|--|
| Total Metals - PIA | | | | | | | | | |
| Copper | 270 | ug/L | | 1300 | 08/10/21 14:55 | TJJ | EPA 200.8 REV 5.4 | | |
| Lead | 1.7 | ug/L | | 15 | 08/10/21 14:55 | TJJ | EPA 200.8 REV 5.4 | | |
| Sample: FH00230-26 | FH00230-26 Sampled: 07/28/21 06:11 | | | | | | | | |

28. Room 131 - Podium Name:

Alias: OMS-131-CF-15 Sampled: 07/28/21 06:11

Received: 08/02/21 12:40 Matrix: Drinking Water - Regular Sample

| Parameter | Result | Unit | Qualifier | MCL | Analyzed | Analyst | Method |
|--------------------|--------|------|-----------|--------|----------------|---------|-------------------|
| Total Metals - PIA | | | | | | | |
| Copper | 1400 | ug/L | | **1300 | 08/10/21 14:57 | TJJ | EPA 200.8 REV 5.4 |
| Lead | 44 | ug/L | | **15 | 08/10/21 14:57 | TJJ | EPA 200.8 REV 5.4 |
| | | | | | | | |

Sample: EH00230-27

Name: 29. Room 131 - Wall

OMS-131-CF-16 Alias:

Sampled: 07/28/21 06:11

Received: 08/02/21 12:40

Drinking Water - Regular Sample Matrix:

| Parameter | Result | Unit | Qualifier | MCL | Analyzed | Analyst | Method |
|--------------------|--------|------|-----------|------|----------------|---------|-------------------|
| Total Metals - PIA | | | | | | | |
| Copper | 570 | ug/L | | 1300 | 08/10/21 14:58 | TJJ | EPA 200.8 REV 5.4 |
| Lead | 38 | ug/L | | **15 | 08/10/21 14:58 | TJJ | EPA 200.8 REV 5.4 |
| | | | | | | | |

Sample: EH00230-28

Name: 30. Room 135 - Podium

Alias: OMS-135-CF-17 Sampled: 07/28/21 06:04

Received: 08/02/21 12:40

Matrix: Drinking Water - Regular Sample

| Parameter | Result | Unit | Qualifier | MCL | Analyzed | Analyst | Method |
|---------------------------|--------|------|-----------|------|----------------|---------|-------------------|
| <u>Total Metals - PIA</u> | | | | | | | |
| Copper | 170 | ug/L | | 1300 | 08/10/21 15:00 | TJJ | EPA 200.8 REV 5.4 |
| Lead | 12 | ug/L | | 15 | 08/10/21 15:00 | TJJ | EPA 200.8 REV 5.4 |

EPA 200.8 REV 5.4

EPA 200.8 REV 5.4



Total Metals - PIA

Copper

Lead

ANALYTICAL RESULTS

Sample: EH00230-29

Sampled: 07/28/21 06:00

| - | 31. Room 130 - Podium | | | | | Sampleu. | | |
|------------------|-----------------------|--------|------|-----------|------|----------------------|-------------|------------------------|
| Name: Alias: | OMS-130-CF-18 | | | | | Received: Matrix: | 08/02/21 1 | /ater - Regular Sample |
| Allas. | OWS-130-C1-16 | | | | | Watrix. | Dilliking v | vater - Negular Sample |
| Parameter | | Result | Unit | Qualifier | MCL | Analyzed | Analyst | Method |
| Total Metals - F | PIA . | | | | | | | |
| Copper | | 160 | ug/L | | 1300 | 08/10/21 15:01 | TJJ | EPA 200.8 REV 5.4 |
| _ead | | 8.2 | ug/L | | 15 | 08/10/21 15:01 | TJJ | EPA 200.8 REV 5.4 |
| Sampl | e: EH00230-30 | | | | | Sampled: | 07/28/21 0 | 06:00 |
| Name: | 32. Room 130 - East | | | | | Received: | 08/02/21 1 | 2:40 |
| Alias: | OMS-130-CF-19 | | | | | Matrix: | Drinking V | later - Regular Sample |
| Parameter | | Result | Unit | Qualifier | MCL | Analyzed | Analyst | Method |
| Total Metals - F | <u>PIA</u> | | | | | | | |
| Copper | | 210 | ug/L | | 1300 | 08/10/21 15:10 | TJJ | EPA 200.8 REV 5.4 |
| Lead | | 2.1 | ug/L | | 15 | 08/10/21 15:10 | TJJ | EPA 200.8 REV 5.4 |
| Sampl | e: EH00230-31 | | | | | Sampled: | 07/28/21 (| 06:00 |
| Name: | 33. Room 130 - West | | | | | Received: | 08/02/21 1 | 2:40 |
| Alias: | OMS-130-CF-20 | | | | | Matrix: | Drinking V | /ater - Regular Sample |
| Parameter | | Result | Unit | Qualifier | MCL | Analyzed | Analyst | Method |
| Total Metals - F | <u>PIA</u> | | | | | | | |
| Copper | | 150 | ug/L | | 1300 | 08/10/21 15:12 | TJJ | EPA 200.8 REV 5.4 |
| Lead | | 16 | ug/L | | **15 | 08/10/21 15:12 | TJJ | EPA 200.8 REV 5.4 |
| Sampl | e: EH00230-32 | | | | | Sampled: | 07/28/21 (| 05:56 |
| Name: | 34. Room 132 | | | | | | 08/02/21 1 | |
| Alias: | OMS-132-CF-21 | | | | | Matrix: | Drinking V | /ater - Regular Sample |
| Parameter | | Result | Unit | Qualifier | MCL | Analyzed | | Method |

Customer #: www.pdclab.com Page 12 of 22

1300

**15

08/10/21 15:13

08/10/21 15:13

TJJ

TJJ

990

330

ug/L

ug/L



Sample: EH00230-33 Sampled: 07/28/21 05:52 35. Room 134 - Wall Received: 08/02/21 12:40 Name:

OMS-134-CF-22 Alias: Matrix: Drinking Water - Regular Sample

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

Sample: EH00230-34 Sampled: 07/28/21 05:54

Name: 36. Room 134 - Podium Received: 08/02/21 12:40

Alias: OMS-134-CF-23 Matrix: Drinking Water - Regular Sample

Parameter Result Unit Qualifier MCL Method Analyzed Analyst <u>Total Metals - PIA</u> 1300 Copper 330 ug/L 08/10/21 15:16 TJJ EPA 200.8 REV 5.4 Lead 7.0 15 08/10/21 15:16 EPA 200.8 REV 5.4 ug/L

Sampled: 07/28/21 05:39 Sample: EH00230-35 Name: 37. Nurses Office Received: 08/02/21 12:40

OMS-__-NSF-1 Drinking Water - Regular Sample Alias: Matrix:

Qualifier MCL **Parameter** Result Unit Analyzed Analyst Method Total Metals - PIA Copper 150 1300 08/10/21 15:18 TJJ EPA 200.8 REV 5.4 ug/L Lead < 1.0 15 08/10/21 15:18 TJJ EPA 200.8 REV 5.4 ug/L

Sampled: 07/28/21 05:37 Sample: EH00230-36 Name: 38. Nurses Office Received: 08/02/21 12:40

OMS-__-NSF-2 Drinking Water - Regular Sample Alias: Matrix:

Qualifier MCL Result Unit Analyst Method **Parameter** Analyzed **Total Metals - PIA** Copper 220 ug/L 1300 08/10/21 15:19 TJJ EPA 200.8 REV 5.4 Lead < 1.0 ug/L 15 08/10/21 15:19 TJJ EPA 200.8 REV 5.4

Page 13 of 22 Customer #: www.pdclab.com



 Sample:
 EH00230-37
 Sampled:
 07/28/21 07:51

 Name:
 39. Room 137
 Received:
 08/02/21 12:40

Alias: OMS-137-TLF-1 Matrix: Drinking Water - Regular Sample

Parameter Result Unit Qualifier MCL Analyzed Analyst Method Total Metals - PIA Copper 1300 08/10/21 15:21 EPA 200.8 REV 5.4 190 ug/L TJJ Lead < 1.0 15 08/10/21 15:21 TJJ EPA 200.8 REV 5.4 ug/L

 Sample:
 EH00230-38
 Sampled:
 07/28/21 07:39

 Name:
 40.
 Received:
 08/02/21 12:40

Matrix: Drinking Water - Regular Sample

Parameter Result Unit Qualifier MCL Analyzed Method Analyst Total Metals - PIA 1300 Copper 110 ug/L 08/10/21 15:30 TJJ EPA 200.8 REV 5.4 Lead 5.1 15 08/10/21 15:30 TJJ EPA 200.8 REV 5.4 ug/L

 Sample:
 EH00230-39
 Sampled:
 07/28/21 07:39

 Name:
 41.
 Received:
 08/02/21 12:40

Matrix: Drinking Water - Regular Sample

Qualifier MCL **Parameter** Result Unit Analyzed Analyst Method Total Metals - PIA Copper 190 1300 08/10/21 15:31 TJJ EPA 200.8 REV 5.4 ug/L Lead 13 15 08/10/21 15:31 TJJ EPA 200.8 REV 5.4 ug/L

 Sample:
 EH00230-40
 Sampled:
 07/28/21 07:38

 Name:
 42.
 Received:
 08/02/21 12:40

Matrix: Drinking Water - Regular Sample

Qualifier MCL Result Unit Method **Parameter** Analyzed Analyst **Total Metals - PIA** Copper 110 ug/L 1300 08/11/21 15:09 **KMC** EPA 200.8 REV 5.4 Lead 25 ug/L **15 08/11/21 15:09 KMC EPA 200.8 REV 5.4

Customer #: www.pdclab.com Page 14 of 22



Sample: EH00230-41

43. Name:

Matrix: Drinking Water - Regular Sample

Sampled: 07/28/21 07:38

Received: 08/02/21 12:40

| Parameter | Result | Unit | Qualifier | MCL | Analyzed | Analyst | Method |
|--------------------|--------|------|-----------|------|----------------|---------|-------------------|
| Total Metals - PIA | | | | | | | |
| Copper | 670 | ug/L | | 1300 | 08/10/21 15:33 | TJJ | EPA 200.8 REV 5.4 |
| Lead | 11 | ug/L | | 15 | 08/10/21 15:33 | TJJ | EPA 200.8 REV 5.4 |
| | | | | | | | |

Sample: EH00230-42

Name: 44.

Drinking Water - Regular Sample Matrix:

Sampled: 07/28/21 07:36 Received: 08/02/21 12:40

| Parameter | Result | Unit | Qualifier | MCL | Analyzed | Analyst | Method |
|--------------------|--------|------|-----------|------|----------------|---------|-------------------|
| Total Metals - PIA | | | | | | | |
| Copper | 250 | ug/L | | 1300 | 08/10/21 15:34 | TJJ | EPA 200.8 REV 5.4 |
| Lead | < 1.0 | ug/L | | 15 | 08/10/21 15:34 | TJJ | EPA 200.8 REV 5.4 |
| | | | | | | | |

Sample: EH00230-43

Name: 45.

Matrix: Drinking Water - Regular Sample

Sampled: 07/28/21 07:35

Received: 08/02/21 12:40

| Parameter | Result | Unit | Qualifier | MCL | Analyzed | Analyst | Method |
|--------------------|--------|------|-----------|------|----------------|---------|-------------------|
| Total Metals - PIA | | | | | | | |
| Copper | 290 | ug/L | | 1300 | 08/10/21 15:36 | TJJ | EPA 200.8 REV 5.4 |
| Lead | 3.1 | ug/L | | 15 | 08/10/21 15:36 | TJJ | EPA 200.8 REV 5.4 |
| | | | | | | | |

Sample: EH00230-44

Name: 46.

Matrix: Drinking Water - Regular Sample Sampled: 07/28/21 07:30

Received: 08/02/21 12:40

| Parameter | Result | Unit | Qualifier | MCL | Analyzed | Analyst | Method |
|--------------------|--------|------|-----------|------|----------------|---------|-------------------|
| Total Metals - PIA | | | | | | | |
| Copper | 270 | ug/L | | 1300 | 08/10/21 15:37 | TJJ | EPA 200.8 REV 5.4 |
| Lead | 2.5 | ug/L | | 15 | 08/10/21 15:37 | TJJ | EPA 200.8 REV 5.4 |

Page 15 of 22 Customer #: www.pdclab.com



Sample: EH00230-45

Sampled: 07/28/21 07:30

47. Name:

Received: 08/02/21 12:40

Drinking Water - Regular Sample Matrix:

| Parameter | Result | Unit | Qualifier | MCL | Analyzed | Analyst | Method |
|--------------------|--------|------|-----------|------|----------------|---------|-------------------|
| Total Metals - PIA | | | | | | | |
| Copper | 350 | ug/L | | 1300 | 08/10/21 15:39 | TJJ | EPA 200.8 REV 5.4 |
| Lead | 440 | ug/L | | **15 | 08/10/21 15:39 | TJJ | EPA 200.8 REV 5.4 |
| | | | | | | | |

Sample: EH00230-46

Name: 48. Sampled: 07/28/21 07:32 Received: 08/02/21 12:40

Matrix: Drinking Water - Regular Sample

| Parameter Res | esult | Unit | Qualifier | MCL | Analyzed | Analyst | Method |
|---------------------------|-------|------|-----------|------|----------------|---------|-------------------|
| <u>Total Metals - PIA</u> | | | | | | | |
| Copper | 79 | ug/L | | 1300 | 08/10/21 15:40 | TJJ | EPA 200.8 REV 5.4 |
| Lead | 4.7 | ug/L | | 15 | 08/10/21 15:40 | TJJ | EPA 200.8 REV 5.4 |

Qualifier

MCL

1300

15

Sample: EH00230-47

Name: 49.

Parameter

Copper

Lead

Total Metals - PIA

Drinking Water - Regular Sample Matrix:

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

Analyst Method Analyzed

EPA 200.8 REV 5.4

EPA 200.8 REV 5.4

Sampled: 07/28/21 07:25 Sample: EH00230-48 Name: 50.

Unit

ug/L

ug/L

Result

140

6.1

Matrix: Drinking Water - Regular Sample Received: 08/02/21 12:40

TJJ

TJJ

08/10/21 15:42

08/10/21 15:42

| Parameter | Result | Unit | Qualifier | MCL | Analyzed | Analyst | Method |
|--------------------|--------|------|-----------|------|----------------|---------|-------------------|
| Total Metals - PIA | | | | | | | |
| Copper | 390 | ug/L | | 1300 | 08/10/21 15:43 | TJJ | EPA 200.8 REV 5.4 |
| Lead | < 1.0 | ug/L | | 15 | 08/10/21 15:43 | TJJ | EPA 200.8 REV 5.4 |



Sample: EH00230-49

51. Name:

Matrix:

Sampled: 07/28/21 07:21

Received: 08/02/21 12:40

Drinking Water - Regular Sample

| Parameter | Result | Unit | Qualifier | MCL | Analyzed | Analyst | Method |
|--------------------|--------|------|-----------|------|----------------|---------|-------------------|
| Total Metals - PIA | | | | | | | |
| Copper | 280 | ug/L | | 1300 | 08/10/21 14:06 | KMC | EPA 200.8 REV 5.4 |
| Lead | 11 | ug/L | | 15 | 08/10/21 14:06 | KMC | EPA 200.8 REV 5.4 |
| | | | | | | | |

Sample: EH00230-50

Name: 52.

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

| Parameter | Result | Unit | Qualifier | MCL | Analyzed | Analyst | Method |
|---------------------------|--------|------|-----------|------|----------------|---------|-------------------|
| <u>Total Metals - PIA</u> | | | | | | | |
| Copper | 160 | ug/L | | 1300 | 08/10/21 14:07 | KMC | EPA 200.8 REV 5.4 |
| Lead | 8.6 | ug/L | | 15 | 08/10/21 14:07 | KMC | EPA 200.8 REV 5.4 |
| | | | | | | | |

Qualifier

MCL

1300

**15

Sample: EH00230-51

Name: 53.

Parameter

Copper

Lead

Total Metals - PIA

Drinking Water - Regular Sample Matrix:

Sampled: 07/28/21 06:04 Received: 08/02/21 12:40

Analyst Method Analyzed 08/10/21 14:09 KMC EPA 200.8 REV 5.4

EPA 200.8 REV 5.4

Sampled: 07/28/21 06:06 Sample: EH00230-52 Name: Received: 08/02/21 12:40

Unit

ug/L

ug/L

Result

200

33

Matrix: Drinking Water - Regular Sample

KMC

08/10/21 14:09

| Parameter Re | esult (| Unit | Qualifier | MCL | Analyzed | Analyst | Method |
|--------------------|---------|--------------|-----------|--------------|----------------------------------|------------|--|
| Total Metals - PIA | | | | | | | |
| Copper Lead | | ug/L ug/L | Q4 | 1300 **15 | 08/10/21 17:25 08/10/21 14:11 | KMC KMC | EPA 200.8 REV 5.4 EPA 200.8 REV 5.4 |

Page 17 of 22 Customer #: www.pdclab.com



Name:

ANALYTICAL RESULTS

Sample: EH00230-53

Sampled: 07/28/21 06:17

Received: 08/02/21 12:40

Matrix: Drinking Water - Regular Sample

| 5.4 |
|-----|
| 5.4 |
| |

Sample: EH00230-54

55.

Name: 56.

Matrix: Drinking Water - Regular Sample

Sampled: 07/28/21 06:17 **Received:** 08/02/21 12:40

| Parameter | Result | Unit | Qualifier | MCL | Analyzed | Analyst | Method |
|---------------------------|--------|------|-----------|------|----------------|---------|-------------------|
| <u>Total Metals - PIA</u> | | | | | | | |
| Copper | 210 | ug/L | | 1300 | 08/10/21 14:20 | KMC | EPA 200.8 REV 5.4 |
| Lead | < 1.0 | ug/L | | 15 | 08/10/21 14:20 | KMC | EPA 200.8 REV 5.4 |

Customer #: www.pdclab.com Page 18 of 22



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

Qualifiers

Q4 The matrix spike recovery result is unusable since the analyte concentration in the sample is greater than four times the spike level. The associated blank spike was acceptable.

Certified by: Erin Lane, Project Manager





OLINITONY 2010 DELLE

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

CHAIN OF CUSTODY RECORD

STATE WHERE SAMPLE COLLECTED MO

| | | | | COMPLETED BY | | And the second second second | | | | |
|---|---------------------------|----------|---------------------|-----------------------|---|------------------------------------|---------------------------------|------------------------------------|---------------|---|
| CLIENT | PROJECT NUM | MBER | | T LOCATION | PURCHASE | ORDER# | 3 AN | ALYSIS REQUE | STED | (FOR LAB USE ONLY) |
| Engineering Surveys & Services | L14571 | | | oia, MO | | | | | | - FAMISO-S |
| ADDRESS | PHONE NUM | | | -MAIL | DATES | | | | | LOGIN# |
| 1113 Fay Street | 573-449- | 2646 | jlehmen@ | ess-inc.com | 7-16- | 21 | - | | | LOGGED BY: |
| CITY STATE | SAMPLER (PLEASE PRINT) | | | | MATRIX | | pa | | | CLIENT: |
| Columbia, MO | Josh Lehme | en | | | WW-WASTEWATE DW-DRINKING WA GW-GROUND WA | ER ATER TER | 9 | | | PROJECT: |
| CONTACT PERSON | SAMPLER'S SIGNATURE | 100 | | | NAS- NON AQUEO LCHT-LEACHATE | ous solid | A | | | CUSTODY SEAL #: |
| Josh Lehmen | SIGNATURE & | NKVI | w | | OIL-OIL SO-SOIL SOL-SOLID | | 3 | | | CUSTODI SEAL #. |
| SAMPLE DESCRIPTION (UNIQUE DESCRIPTION AS IT WILL APPEAR ON THE ANALYTICAL REPORT) | DATE COLLECTED CO | TIME | SAMPLE TY GRAB C | PE MATRIX DMP TYPE | COUNT | PRES CODE CLIENT PROVIDED | 3 | | | REMARKS |
| Oateland Middle School | 7/28/21 | | Х | | | | 54 | | | |
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| | | 2 | | | | | | | | |
| | | | | | | | | | ++ | 18 |
| CHEMICAL PRESERVATION CODES: I - HCL 2 - H2SO4 3 - | - HNO3 4 – NAOH | 5 – NA2 | 6203 6- | UNPRESERVED | 7 – OTHER | | | | | 1 |
| TURNAROUND TIME REQUESTED (PLEASE CIRCLE) NORM (RUSH TAT IS SUBJECT TO PDC LABS APPROVAL AND SURCHARGE) | AL RUSH | | ATE RESULTS | (6) | l understand t | that by initial | ing this box l | give the lab per | mission to p | proceed with analysis, even though it may |
| RUSH RESULTS VIA (PLEASE CIRCLE) EMAIL PHONE | | | | | not meet all s Policy and the | ample confo data will be | rmance requir qualified. Qua | ements as defin dified data may | ned in the re | ceiving facility's Sample Acceptance eptable to report to all regulatory authorities. |
| EMAIL IF DIFFERENT FROM ABOVE: PHONE # IF DIFFERENT FROM ABOV | ≛: | | | | PROCEED W | ITH ANALYS | IS AND QUAL | IFY RESULTS: | (INITIALS)_ | |
| RELINOUISHED BY: (SIGNATURE) DATE TIME | W | RECEIVED | BY: (SIGNATU | RE) | | DATE | -30-21 | 8 | COMMENTS | S: (FOR LAB USE ONLY) |
| RELINQUISHED BY: (SIGNATURE) DATE | 10am D | RECEIVED | BY: (SIGNATU | RE) /) | | DATE | 2:02 | | | |
| TIME | | Ale | CX I | | | TIME | 2-21 | SAMPLE TE | MPERATUR | LE UPON RECEIPT 20.0 °C |
| RELINQUISHED BY: (SIGNATURE) | 21 04 | RECEIVED | BY: (SIGNATU | RE) | | DATE | 12/21 | CHILL PROC | CESS START | TED PRIOR TO RECEIPT Y OF NO |
| TIME | -21 | | | 1 | • | TIME | MU | | CEPTANCE | NONCONFORMANT YORN) |
| Sydulo In 12: | 40 | (| M | d | | | 40 | | | FROM SAMPLE BOTTLE VES |
| | | | | | CONTRACTOR OF THE PARTY OF THE | | | | | Page 20 of 22 |

DACE

21212021

| Location: | Oakland Middle School |
|--------------|----------------------------|
| Sample Date: | 7/28/2021 |
| Sample Time: | Various |
| Sampled By: | Kyle Vidusic & Josh Lehmen |

| Sample No. | Coding System | Description | Sample Collected |
|------------|----------------|---|---------------------|
| 1 | OMS-176-CF-1 | Room 176 - Classroom Faucet | Yes |
| 2 | OMS-174-CF-2 | Room 174-1 - Classroom Faucet Clockwise | Yes |
| 3 | OMS-174-CF-3 | Room 174-2 - Classroom Faucet | Yes |
| 4 | OMS-174-CF-4 | Room 174-3 - Classroom Faucet | Yes |
| 5 | OMS-174-CF-5 | Room 174-4 - Classroom Faucet | Yes |
| 6 | OMS-174-CF-6 | Room 174-5 - Classroom Faucet | Yes |
| 7 | OMS-174-CF-7 | Room 174-6 - Classroom Faucet | Yes |
| 8 | OMS-175-CF-8 | Room 175 - Classroom Faucet | Yes |
| 9 | OMS-175-CF-9 | Room 175 - Classroom Faucet | Yes |
| 10 | OMS-173-CF-10 | Room 173 - Classroom Faucet | Yes |
| 11 | OMS-HLR-EWC-1 | Hall By Lockerooms - Electric Water Cooler | Yes |
| 12 | OMS-GLR-EWC-2 | Girls Lockeroom - Electric Water Cooler | Yes |
| 13 | OMS-GLR-CF-10 | Girls Lockeroom - Classroom Faucet | Yes |
| 14 | OMS-BLR-EWC-3 | Boys Lockeroom - Electric Water Cooler | Yes |
| 15 | OMS-BLR-CF-11 | Boys Lockeroom - Classroom Faucet | Yes |
| 16 | OMS-KF_1 | Kitchen Sink | Yes |
| 17 | OMS-KF_2 | Kitchen Sink | Yes |
| 18 | OMS-KF_3 | Kitchen Sink | Yes |
| 19 | OMS-KF_4 | Kitchen Sink | Yes |
| 20 | OMS-KF_5 | Kitchen Sink | Yes |
| 21 | OMS-KF_6 | Kitchen Sink | Yes |
| 22 | OMS-CAF-EWC-4 | By Cafeteria - Electric Water Cooler | Yes |
| 23 | OMS-H117-EWC-5 | Hall by 117 - Electric Water Cooler | Yes |
| 24 | OMS-117-CF-12 | Room 117 - Classroom Faucet | Yes |
| 25 | OMS-125-CF-13 | Room 125 - SINK REMOVED | No |
| 26 | OMS-125-CF-14 | Room 125 - SINK REMOVED | No |
| 27 | OMSEWC-6 | Hall by Boys Restroom - Electric Water Cool | er Yes |
| 28 | OMS-131-CF-15 | Room 131 - Podium - Classroom Faucet | Yes |
| 29 | OMS-131-CF-16 | Room 131 - Wall - Classroom Faucet | Yes |
| 30 | OMS-135-CF-17 | Room 135 - Podium - Classroom Faucet | Yes |
| 31 | OMS-130-CF-18 | Room 130 - Podium - Classroom Faucet | Yes |
| 32 | OMS-130-CF-19 | Room 130 - East - Classroom Faucet | Yes |
| 33 | OMS-130-CF-20 | Room 130 - West - Classroom Faucet | Yes |
| 34 | OMS-132-CF-21 | Room 132 - Classroom Faucet | Yes |
| 35 | OMS-134-CF-22 | Room 134 - Wall - Classroom Faucet | Yes |
| 36 | OMS-134-CF-23 | Room 134 - Podium - Classroom Faucet | Yes |
| 37 | OMS-NSF-1 | Nurses Office Sink | Yes |
| 38 | OMS-NSF-2 | Nurses Office Sink | Yes |
| 39 | OMS-137-TLF-1 | Room 137 | Yes |
| 40 | OMS-149-EWC-7 | Room 149 - Hall - Electric Water Cooler | Yes |

| 41 | OMS-148-CF-24 | Room 148 - Classroom Faucet | Yes |
|----|-----------------|---|-----|
| 42 | OMS-147-CF-25 | Room 147 - Classroom Faucet | Yes |
| 43 | OMS-145-CF-26 | Room 145 - Classroom Faucet | Yes |
| 44 | OMS-143-TLF-2 | Room 143 - Teachers Lounge Faucet | Yes |
| 45 | OMS-MOF-EWC-8 | Hall by Mainm Office - Electric Water Cooler | Yes |
| 46 | OMS-GUD-EWC-9 | Hall by Guidance - Electric Water Cooler | Yes |
| 47 | OMS-150-CF-27 | Room 150 - Classroom Faucet | Yes |
| 48 | OMS-154-CF-28 | Room 154 - Classroom Faucet | Yes |
| 49 | OMS-H155-EWC-10 | Hall by 155 - Electric Water Cooler | Yes |
| 50 | OMS-HAL-EWC-11 | Hall by Girls Restroom - Classroom Faucet | Yes |
| 51 | OMS-25-CF-29 | Room 25 - Work Bench - Classroom Faucet | Yes |
| 52 | OMS-25-CF-30 | Room 25 - Classroom Faucet - Classroom Faucet | Yes |
| 53 | OMS-135-CF-31 | Room 135 West Wall - Classroom Faucet | Yes |
| 54 | OMS-133-CF-32 | Room 133 - Classroom Faucet | Yes |
| 55 | OMS-127-CF-33 | Room 127 Podium - Classroom Faucet | Yes |
| 56 | OMS-127-CF-34 | Room 127 Wall - Classroom Faucet | Yes |
| 57 | OMS- | | |
| 58 | OMS- | | |



Pace Analytical Services, LLC 2231 W. Altorfer Drive Peoria, IL 61615 (800)752-6651

April 13, 2022

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

RE: L14571

Dear Josh Lehmen:

Please find enclosed the analytical results for the **14** sample(s) the laboratory received on **4/4/22 2:50 pm** and logged in under work order **FD00535**. 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 Pace Analytical Services, LLC.

If you have any questions regarding your report, please contact your project manager. Quality and timely data is of the utmost importance to us.

Pace Analytical Services 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 lisa.grant@pacelabs.com.

Erin Lane

Project Manager (309)683-1767

erin.lane@pacelabs.com

Fri Mosave



SAMPLE RECEIPT CHECK LIST

Items not applicable will be marked as in compliance

| | Work Order FD00535 |
|-----|--|
| | |
| 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 |
| 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 |
| NO | Case narrative provided |

Customer #: 72-100995 www.pacelabs.com



Sample: FD00535-01

Name: Room 175- Classroom Faucet

Alias: OMS 8

Sampled: 03/31/22 14:22

Received: 04/04/22 14:50

Matrix: Drinking Water - Regular Sample

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|--------------------|--------|------|-----------|----------------|----------|-----|----------------|---------|-------------------|
| Total Metals - PIA | | | | | | | | | |
| Copper | 150 | ug/L | 0 | 4/11/22 12:52 | 1 | 3.0 | 04/11/22 16:23 | KMC | EPA 200.8 REV 5.4 |
| Lead | < 1.0 | ug/L | 0 | 04/11/22 12:52 | 1 | 1.0 | 04/11/22 16:23 | KMC | EPA 200.8 REV 5.4 |

Sample: FD00535-02

Name: Girls Locker Room - Electric Water Cooler

Alias: OMS 12

Sampled: 03/31/22 13:45 **Received:** 04/04/22 14:50

Matrix: Drinking Water - Regular Sample

| Parameter | Result | Unit | Qualifier Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|---------------------------|--------|------|--------------------|----------|-----|----------------|---------|-------------------|
| <u>Total Metals - PIA</u> | | | | | | | | |
| Copper | 250 | ug/L | 04/11/22 12: | :52 1 | 3.0 | 04/11/22 16:25 | KMC | EPA 200.8 REV 5.4 |
| Lead | 10 | ug/L | 04/11/22 12: | 52 1 | 1.0 | 04/11/22 16:25 | KMC | EPA 200.8 REV 5.4 |

Sample: FD00535-03

Name: Girls Locker Room - Faucet

Alias: OMS 13

Sampled: 03/31/22 13:48

Received: 04/04/22 14:50

Matrix: Drinking Water - Regular Sample

| Parameter | Result | Unit | Qualifier Prep | ared Dilutior | n MRL | Analyzed | Analyst | Method |
|--------------------|--------|------|----------------|---------------|-------|----------------|---------|-------------------|
| Total Metals - PIA | | | | | | | | |
| Copper | 140 | ug/L | 04/11/2 | 2 12:52 1 | 3.0 | 04/11/22 16:26 | KMC | EPA 200.8 REV 5.4 |
| Lead | 6.3 | ug/L | 04/11/2 | 2 12:52 1 | 1.0 | 04/11/22 16:26 | KMC | EPA 200.8 REV 5.4 |
| | | | | | | | | |

Sample: FD00535-04

Name: Boys Locker Room - Faucet

Alias: OMS 15

Sampled: 03/31/22 13:50 **Received:** 04/04/22 14:50

Matrix: Drinking Water - Regular Sample

| Parameter | Result | Unit | Qualifier Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|---------------------------|--------|------|--------------------|----------|-----|----------------|---------|-------------------|
| <u>Total Metals - PIA</u> | | | | | | | | |
| Copper | 39 | ug/L | 04/11/22 12:52 | 1 | 3.0 | 04/11/22 16:34 | KMC | EPA 200.8 REV 5.4 |
| Lead | 1.1 | ug/L | 04/11/22 12:52 | 1 | 1.0 | 04/11/22 16:34 | KMC | EPA 200.8 REV 5.4 |



Sample: FD00535-05

Name: Room 131 - Podium - Classroom Faucet

Alias: OMS 28

Sampled: 03/31/22 13:59

Received: 04/04/22 14:50

Matrix: Drinking Water - Regular Sample

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|--------------------|--------|------|-----------|---------------|----------|-----|----------------|---------|-------------------|
| Total Metals - PIA | | | | | | | | | |
| Copper | 190 | ug/L | 04 | /11/22 12:52 | 1 | 3.0 | 04/11/22 16:36 | KMC | EPA 200.8 REV 5.4 |
| Lead | 2.6 | ug/L | 04 | 1/11/22 12:52 | 1 | 1.0 | 04/11/22 16:36 | KMC | EPA 200.8 REV 5.4 |

Sample: FD00535-06

Name: Room 131 - Podium - Classroom Faucet

Alias: OMS 28

Sampled: 03/31/22 14:00 **Received:** 04/04/22 14:50

Matrix: Drinking Water - Regular Sample

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|--------------------|--------|------|-----------|----------------|----------|-----|----------------|---------|-------------------|
| Total Metals - PIA | | | | | | | | | |
| Copper | 130 | ug/L | (| 04/11/22 12:52 | 1 | 3.0 | 04/11/22 16:37 | KMC | EPA 200.8 REV 5.4 |
| Lead | 2.2 | ug/L | (| 04/11/22 12:52 | 1 | 1.0 | 04/11/22 16:37 | KMC | EPA 200.8 REV 5.4 |

Sample: FD00535-07

Name: Room 131 - Wall - Classroom Faucet

Alias: OMS 29

Sampled: 03/31/22 14:01 **Received:** 04/04/22 14:50

Matrix: Drinking Water - Regular Sample

| Parameter | Result | Unit | Qualifier Prepare | d Dilution | MRL | Analyzed | Analyst | Method |
|--------------------|--------|------|-------------------|------------|-----|----------------|---------|-------------------|
| Total Metals - PIA | | | | | | | | |
| Copper | 60 | ug/L | 04/11/22 12 | 2:52 1 | 3.0 | 04/11/22 16:39 | KMC | EPA 200.8 REV 5.4 |
| Lead | < 1.0 | ug/L | 04/11/22 12 | 2:52 1 | 1.0 | 04/11/22 16:39 | KMC | EPA 200.8 REV 5.4 |

Sample: FD00535-08

Name: Room 130 - West - Classroom Faucet

Alias: OMS 33

Sampled: 03/31/22 13:56

Received: 04/04/22 14:50

Matrix: Drinking Water - Regular Sample

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|--------------------|--------|------|-----------|----------------|----------|-----|----------------|---------|-------------------|
| Total Metals - PIA | | | | | | | | | |
| Copper | 130 | ug/L | 0 | 04/11/22 12:52 | 1 | 3.0 | 04/11/22 16:40 | KMC | EPA 200.8 REV 5.4 |
| Lead | < 1.0 | ug/L | 0 | 04/11/22 12:52 | 1 | 1.0 | 04/11/22 16:40 | KMC | EPA 200.8 REV 5.4 |



Sample: FD00535-09

Name: Room 132 - Classroom Faucet

Alias: OMS 34

Sampled: 03/31/22 14:03

Received: 04/04/22 14:50

Matrix: Drinking Water - Regular Sample

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|--------------------|--------|------|-----------|--------------|----------|-----|----------------|---------|-------------------|
| Total Metals - PIA | | | | | | | | | |
| Copper | 110 | ug/L | 04 | /11/22 12:52 | 1 | 3.0 | 04/11/22 16:42 | KMC | EPA 200.8 REV 5.4 |
| Lead | 3.6 | ug/L | 04 | /11/22 12:52 | 1 | 1.0 | 04/11/22 16:42 | KMC | EPA 200.8 REV 5.4 |

Sample: FD00535-10

Name: Room 147 - Classroom Faucet

Alias: OMS 42

Sampled: 03/31/22 14:14 Received: 04/04/22 14:50

Matrix: Drinking Water - Regular Sample

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|--------------------|--------|------|-----------|----------------|----------|-----|----------------|---------|-------------------|
| Total Metals - PIA | | | | | | | | | |
| Copper | 78 | ug/L | (| 04/11/22 12:52 | 1 | 3.0 | 04/11/22 16:43 | KMC | EPA 200.8 REV 5.4 |
| Lead | 2.5 | ug/L | (| 04/11/22 12:52 | 1 | 1.0 | 04/11/22 16:43 | KMC | EPA 200.8 REV 5.4 |

Sample: FD00535-11

Name: Room 150 - Classroom Faucet

Alias: OMS 47

Sampled: 03/31/22 14:17 **Received:** 04/04/22 14:50

Matrix: Drinking Water - Regular Sample

| Parameter | Result | Unit | Qualifier Prep | ared Diluti | on MRL | Analyzed | Analyst | Method |
|--------------------|--------|------|----------------|-------------|--------|----------------|---------|-------------------|
| Total Metals - PIA | | | | | | | | |
| Copper | 180 | ug/L | 04/11/2 | 2 12:52 1 | 3.0 | 04/11/22 16:45 | KMC | EPA 200.8 REV 5.4 |
| Lead | 24 | ug/L | 04/11/2 | 2 12:52 1 | 1.0 | 04/11/22 16:45 | KMC | EPA 200.8 REV 5.4 |

Sample: FD00535-12

Name: Room 135 West Wall - Classroom Faucet

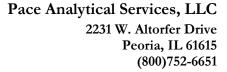
Alias: OMS 53

Sampled: 03/31/22 14:05

Received: 04/04/22 14:50

Matrix: Drinking Water - Regular Sample

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|--------------------|--------|------|-----------|---------------|----------|-----|----------------|---------|-------------------|
| Total Metals - PIA | | | | | | | | | |
| Copper | 76 | ug/L | 04 | 4/11/22 12:52 | 1 | 3.0 | 04/11/22 16:53 | KMC | EPA 200.8 REV 5.4 |
| Lead | < 1.0 | ug/L | 04 | 4/11/22 12:52 | 1 | 1.0 | 04/11/22 16:53 | KMC | EPA 200.8 REV 5.4 |





Sample: FD00535-13

Sampled: 03/31/22 14:10 Name: Room 25- Classroom Faucet Received: 04/04/22 14:50

OMS 54

Matrix: Drinking Water - Regular Sample

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|--------------------|--------|------|-----------|----------------|----------|-----|----------------|---------|-------------------|
| Total Metals - PIA | | | | | | | | | |
| Copper | 10 | ug/L | C | 04/11/22 12:52 | 1 | 3.0 | 04/11/22 16:54 | KMC | EPA 200.8 REV 5.4 |
| Lead | < 1.0 | ug/L | C |)4/11/22 12:52 | 1 | 1.0 | 04/11/22 16:54 | KMC | EPA 200.8 REV 5.4 |

Sample: FD00535-14

Name: Room 127- Podium - Classroom Faucet

OMS 55 Alias:

Sampled: 03/31/22 13:54 Received: 04/04/22 14:50

Drinking Water - Regular Sample Matrix:

| Parameter | Result | Unit | Qualifier | Prepared | Dilution | MRL | Analyzed | Analyst | Method |
|--------------------|--------|------|-----------|----------------|----------|-----|----------------|---------|-------------------|
| Total Metals - PIA | | | | | | | | | |
| Copper | 170 | ug/L | C | 04/11/22 12:52 | 1 | 3.0 | 04/11/22 16:56 | KMC | EPA 200.8 REV 5.4 |
| Lead | 11 | ug/L | C | 04/11/22 12:52 | 1 | 1.0 | 04/11/22 16:56 | KMC | EPA 200.8 REV 5.4 |



Pace Analytical Services, LLC 2231 W. Altorfer Drive Peoria, IL 61615 (800)752-6651

NOTES

Specifications regarding method revisions, method modifications, and calculations 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

Mosane

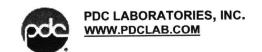
STL - Hazelwood, MO - 944 Anglum Rd, Hazelwood, MO 63042

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

www.pacelabs.com

Certified by: Erin Lane, Project Manager





QUALTRAX 3219 REV 5

| REGULATORY PROGRAM (CIRCLE): | NPDES | | | |
|------------------------------|----------------------|--|--|--|
| MORBCA | RCRA | | | |
| CCDD | TACO: RES OR IND/COM | | | |

CHAIN OF CUSTODY RECORD

STATE WHERE SAMPLE COLLECTED MO

Page 8 of 9

| CLIENT | PROJECT | NUMBER | PRO | JECT LOCA | ATION | PURCHASE | | 3 | ANA | 1 VSIS D | EQUES | TEN | | (FOR LAB USE ONLY) |
|---|---------------------------|--------------|---------------|----------------|---------------------------------|---|---|------------|-----------------------------------|----------|------------------|--------------|---------------------|--|
| Engineering Surveys & Services | L14571 | Columbia, MO | | | | 0 | | | | | | (1) FINNEZE. | | |
| ADDRESS | PHONE | E-MAIL | | DATE SHIPPED | | # | | | | | | LOGIN# | | |
| 1113 Fay Street | 573-449-2646 jlehmen@e | | | | inc.com | com 4/1/22 | | | | | | | | OGGED BY: |
| STATE Columbia, MO 65201 | SAMPLER (PLEASE PRINT) | | | | | MATRIX WW- WASTEWAT | Lead | | | | | | PROJECT: | |
| Columbia, MO 65201 | rtyran zanta | | | | | DW- DRINKING WATER GW- GROUND WATER WWSL- SLUDGE | | | | | | | | PROJ. MGR.: |
| CONTACT PERSON | SAMPLER'S SIGNATURE | | | | | NAS- NON AQUEOUS SOLID LCHT-LEACHATE OIL-OIL SOLSOII | | and | | | | | | CUSTODY SEAL #: |
| Josh Lehmen | | | | | | SO-SOIL SOL-SOLID | |] Ser | | | | | | |
| SAMPLE DESCRIPTION (UNIQUE DESCRIPTION AS IT WILL APPEAR ON THE ANALYTICAL REPORT) | DATE COLLECTED | TIME | SAMPL GRAB | E TYPE COMP | MATRIX TYPE | BOTTLE | PRES CODE CLIENT PROVIDED | Copper | | | | | | REMARKS |
| Various Samples From Various Schools (See attached sheet) | bottle | bottle | X | | | | | 6 | 9 | | | | | Oakland Middle |
| Please provide separate reports for each school | | | | | | | | | | | | | | School |
| | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
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| | | | | | | | V - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - | | | | | | | |
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| | | | | | | | | | | 1 | + | + | | |
| | | | | | | | | | + | + | 1 | + | | |
| CHEMICAL PRESERVATION CODES: 1 - HCL 2 - H2SO4 3 - | HNO3 4 - NA | OH | 25203 | 6 – UNPI | RESERVED | 7 – OTHER | T | | | | | | | |
| TURNAROUND TIME REQUESTED (PLEASE CIRCLE) NORM (RUSH TAT IS SUBJECT TO PDC LABS APPROVAL AND SURCHARGE) | AL RUSH | | DATE RES | | 6 | l understand | that by initi | aling this | s box I a | aive the | lab pem | nission | to proc | eed with analysis, even though it may |
| RUSH RESULTS VIA (PLEASE CIRCLE) EMAIL PHONE | | | | | | not meet all | sample conf | formance | require | ements | as defin | ed in the | e receiv | ring facility's Sample Acceptance able to report to all regulatory authorities. |
| EMAIL IF DIFFERENT FROM ABOVE: PHONE # IF DIFFERENT FROM ABOVE: | | | | | | PROCEED V | WITH ANALY | SIS AND | QUALI | FY RES | ULTS: (I | NITIALS | S) | |
| RELINQUISHED BY: (SIGNATURE) DATE Apr 22 RECEIVED BY: (SIGNATURE) | | | | | | | DAT | 4-1 | 22 | (8 |) | СОММЕ | ENTS: (F | FOR LAB USE ONLY) |
| TIME 1226 Truth | | | | | | | TIME | 2:2 | 6 | | _ | | | |
| RELINIOUISHED BY: (SIGNATURE) DATE (- 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 | | | | | | | DAT | 14/2 | 2 | SAM | PLE TE | MPERA | TURE U | PON RECEIPT 19 4 °C |
| TIME 14 (35 | | | | | | | TIME | 110 | <i>J</i> | CHIL | L PROC | ESS ST | ARTED | PRIOR TO RECEIPT YOR |
| 1919/2L | | | | Л | | TIME | 1/00 | ℓZZ | SAM | PLE(S) I | RECEIV CEPTAN | ED ON I | CE Y OR Y OR Y OR Y | |
| 1430 Cartan | | | | lai | TIME (DATE AND TIME TAKEN FROM | | | | Y ORN OM SAMPLE BOTTLE YES, by | | | | | |

| 0 | | | | |
|---|----------------------------|-------|----|---|
| | OAKLAND MIDDLE SCHOOL 1422 | OMS | 8 | Room 175 - Classroom Faucet |
| | OAKLAND MIDDLE SCHOOL 1349 | 6 OMS | 12 | Girls Locker Room - Electric Water Cooler |
| | OAKLAND MIDDLE SCHOOL 1348 | OMS | 13 | Girls Locker Room - Faucet |
| | OAKLAND MIDDLE SCHOOL (354 | OMS | 15 | Boys Locker Room - Faucet |
| | OAKLAND MIDDLE SCHOOL 1354 | 9 OMS | 28 | Room 131 - Podium - Classroom Faucet |
| | OAKLAND MIDDLE SCHOOL 140 | | 28 | Room 131 - Podium - Classroom Faucet |
| | OAKLAND MIDDLE SCHOOL 1401 | OMS | | Room 131 - Wall - Classroom Faucet |
| | OAKLAND MIDDLE SCHOOL 1356 | | 33 | Room 130 - West - Classroom Faucet |
| | OAKLAND MIDDLE SCHOOL 140 | | | Room 132 - Classroom Faucet |
| | OAKLAND MIDDLE SCHOOL | OMS | 42 | Room 147 - Classroom Faucet |
| | OAKLAND MIDDLE SCHOOL 141 | 7 OMS | 47 | Room 150 - Classroom Faucet |
| | OAKLAND MIDDLE SCHOOL 140 | 5 OMS | 53 | Room 135 West Wall - Classroom Faucet |
| | OAKLAND MIDDLE SCHOOL 1410 | OMS | 54 | Room 25 - Classroom Faucet |
| | OAKLAND MIDDLE SCHOOL 13:5 | OMS | 55 | Room 127 Podium - Classroom Faucet |
| | | | | |
| | Roseta-Quest East | RQE | 1 | Room 7 - Classroom Faucet |
| | Roseta-Quest East | RQE | 2 | Room 8B - Classroom Faucet |
| | Roseta-Quest East | RQE | 3 | Room 9R Nurse Office Faucet |
| | Roseta-Quest East | RQE | 4 | Room 9R Work Room Faucet |
| | Roseta-Quest East | RQE | 5 | Room 11TB Lounge Faucet |
| | Roseta-Quest East | RQE | 6 | Room 11TA Workroom Faucet |
| | Roseta-Quest East | RQE | 7 | Room 2 - Classroom Faucet |
| | Roseta-Quest East | RQE | 8 | Room 3 - Drinking Water Fountain |
| | Roseta-Quest East | RQE | 9 | Room 12RB Hall - Electric Water Cooler |
| | Roseta-Quest East | RQE | 10 | Room 5 - Classroom Faucet |
| | Roseta-Quest East | RQE | 11 | Room 6 - Classroom Faucet |
| | Roseta-Quest East | RQE | 12 | Room 5C Outside Gym - Electric Water Cooler |
| | | | | |
| | Battle High School | BHS | 2 | Hall by Room 138 |
| | | 56 | 27 | DAGO |

37

38

BHS

BHS

B100 corridor EWC

B109 Concessions Kitchen Faucet

Battle High School

Battle High School

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

SM 4500NO3-F

Nitrate, Nitrite

EPA 200.7

Barium, Beryllium, Cadmium,

Chromium, Copper, Nickel

EPA 200.8

Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Copper, Lead, Mercury, Nickel, Selenium, Thallium

EPA 245.1

Mercury

EPA 300.0

Fluoride, Nitrate, Nitrite

EPA 335.4

Total cyanide

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-ethylhexl)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 | end for -l |
|----------------------|-----------------|--|
| Date Issued | January 6, 2022 | Laboratory Certification Authority, Public Drinking Water Branch Missouri Department of Natural Resources |
| Expiration Date | June 30, 2022 | Rola Kinel Certification Program Manager, Environmental Services Program |

Missouri Department of Natural Resources