

September 21, 2018

Princeton City School District Springdale Elementary School Jon W. Fricke 350 W. Kemper Road Cincinnati, OH 45246

**Springdale Elementary School** 

Dear Mr. Fricke,

Thank you for taking the responsibility seriously to protect the health of the children by voluntarily testing the water in your school for lead!

Attached please find the results of the lead analyses performed for Springdale Elementary School by the Greater Cincinnati Water Works (GCWW). The following comments speak to the process, samples analyzed and additional steps needed to help ensure the safety of all the students within the school.

## School Sampling Process and Results

GCWW and Princeton School District staff worked together to finalize a sampling plan for the school. The USEPA 3Ts for Reducing Lead in Drinking Water in Schools: Revised Technical Guidance Document (3Ts Guidelines) is the process and guidelines used for assisting schools with testing for lead.

In April, one hundred-fourteen (114) samples were collected from drinking fountains, cooking outlets and sinks throughout the school. The results show the following:

- 82 samples (71.93%), below the detection level (<1)
- 24 samples (21.05%), between 1ppb and 5ppb
- 6 samples (5.26%), between 5ppb and 10ppb
- 1 samples (0.88%), between 10ppb and 15ppb
- 1 samples (0.88%), greater than 15ppb

Ninety-nine percent (99.12%) of the school sample results were below the detection level or below the federal action level.

Fifteen parts per billion (ppb) is the federal Lead and Copper Rule action level; desired results are below 15. The federal action level of 15ppb pertains to water utilities and the Greater Cincinnati Water Works review and comments are based on this action level. However, the USEPA 3Ts Guidelines document outlines practices for schools to put in place if samples are greater than 20 ppb.





While we strive to have results less than 15, we recognize that lead is a pervasive environmental contaminant, and no safe blood lead threshold has been identified in children or adults. Therefore, we provide recommendations to further reduce any lead levels discovered.

## Next steps

GCWW has reviewed the results from your samples and provides some next-steps comments.

- 1. Great news! No lead was detected in any drinking fountains or bottle fillers in the school. No further action is needed at these locations.
- 2. One (1) sample location, SDE-FL2-209BWALL-SINK-SDE109, had a lead detection above the federal action level.
  - a. Lead is not an issue for body contact such as bathing, showering, and washing hands. However, consider an immediate remedy such as taking the sample location out of service until a more defined plan can be created or post a sign limiting the use at this location. Refer to the USEPA 3Ts Guidelines for more information and suggestions on signage.
  - b. After posting a sign to immediately limit use or removing the location from service, consider cleaning the aerator (screen) and flushing the location after cleaning. This cleaning may help to reduce the risk of lead at this location. GCWW can assist with resampling and retesting this location after cleaning.
  - c. If the location is not used on a regular basis, then the infrequent use may be contributing to the lead detection.
  - d. If a lead detection still occurs after resampling or if the location is used infrequently, consider posting a sign above the location or in the room limiting the purpose of the sink ('hand washing only', 'work sink only', 'for art class only-not for drinking purposes', etc.). Posting a sign will deter students and staff from potentially using the sink to fill a water bottle, etc. Other suggestions can be provided once we have the results from retesting.
- 3. Three (3) sample locations (SDE50, SDE51, and SDE52) in the kitchen had low lead detections. It is assumed these locations are used for food or drink preparation. Consider flushing the line (letting the water run) before use to reduce the risk of lead.
- 4. Sample location, SDE-FL1-KIT-IM-SDE57, an ice machine in the kitchen, had a low lead detection (4.09ppb).
  - a. Work to understand what might be creating this lead value. How is the ice machine used and how often? Does this unit have a water filter and when was it last replaced?
  - b. Consider cleaning the unit, flushing the line, and resampling. GCWW can assist with this.
- 5. Other locations had lead detections. Based on the names, these are not used for drinking water or cooking purposes.
  - a. Lead is not an issue for body contact such as bathing, showering, and washing hands.
  - b. Cleaning the aerators at these locations may lower the lead levels at these locations too.
  - c. If the locations are not used on a regular basis, then the infrequent use may be contributing to the lead detections. Consider posting signs limiting the purpose of the sinks and other locations.
- 6. Bottom-line, the majority of the sample results were below the federal action level or below the 3Ts guidelines trigger level for schools to take action. After removing the location from service, cleaning the aerator and posting a sign should be initial steps to consider before the faucet is replaced, etc. We can work quickly with your team to resample and retest the out of service location.

7. If it hasn't occurred already, a robust communications plan is suggested. Communications plan steps are outlined in the 3Ts Guidelines. This plan will inform the school community of the sampling work the school has done to date and the steps the school will take to correct any issues discovered. GCWW employees can assist with this plan and are available to attend any school meetings to help explain our lead program, the sample results and our partnership with your school. Suggestions for language and a letter template can be provided if needed. Sampling results will be posted on the GCWW lead.mygcww.org website with other school sampling results.

Greater Cincinnati Water Works takes the presence of lead service lines and the removal of service lines in our system very seriously. In addition, minimizing the exposure of lead within our preschools, schools, and daycares is one of our highest priorities under our Enhanced Lead Program. We look forward to our continued partnership with your school. Our resources are available to assist in many ways. Please contact Jim Nelson at 591-6869 for further assistance.

Thanks again for your partnership with Greater Cincinnati Water Works and your work to further understand the water quality within your school. Your extra steps and care to keep the children in our community safe are appreciated!

Sincerely,

athy B Bailey

Director/Greater Cincinnati Water Works

Cc: Melba Moore, Cincinnati Health Department

Dr. Camille Jones, Cincinnati Health Department

Chuck DeJonckheere, Hamilton County Public Health

Sheila Hill-Christian, City of Cincinnati

Verna Arnette, Greater Cincinnati Water Works

Jeff Swertfeger, Greater Cincinnati Water Works

Jason DeLaet, Greater Cincinnati Water Works

James Nelson, Greater Cincinnati Water Works



|             | Princeton City School District - Springdale Elementary - Lead Testing Results |                |                                    |                    |        |  |  |  |
|-------------|---|----------------|------------------------------------|--------------------|--------|--|--|--|
| SAMPLE<br># | SAMPLE<br>DATE  | SAMPLE<br>TIME | SAMPLE                             | PARAMETER,<br>CODE | AMOUNT | GCWW COMMENTS/REVIEW/<br>RECOMMENDATIONS REGARDING<br>RESULTS  |  |  |
| SDE1        | 4/4/2018  | 10:16          | SDE-FL1-STAFFRRNEAR107-SINK-SDE1   | Lead, ppb          | <1     | Less than detection level  |  |  |
| SDE2        | 4/4/2018  | 10:16          | SDE-FL1-108NURSE-SINK-SDE2         | Lead, ppb          | <1     | Less than detection level  |  |  |
| SDE3        | 4/4/2018  | 10:16          | SDE-FL1-108NURSERR-SINK-SDE3       | Lead, ppb          | <1     | Less than detection level  |  |  |
| SDE4        | 4/4/2018  | 10:25          | SDE-FL1-STAFFRRNEAR110-SINK-SDE4   | Lead, ppb          | <1     | Less than detection level  |  |  |
| SDE5        | 4/4/2018  | 10:22          | SDE-FL1-110WORKRM-SINK-SDE5        | Lead, ppb          | 3.55   | Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead. |  |  |
| SDE6        | 4/4/2018  | 10:23          | SDE-FL1-HALLNEAR110-LDF-SDE6       | Lead, ppb          | <1     | Less than detection level  |  |  |
| SDE7        | 4/4/2018  | 10:23          | SDE-FL1-HALLNEAR110-RDF-SDE7       | Lead, ppb          | <1     | Less than detection level  |  |  |
| SDE8        | 4/4/2018  | 10:20          | SDE-FL1-BOYSRRNEAR110-LSINK-SDE8   | Lead, ppb          | <1     | Less than detection level  |  |  |
| SDE9        | 4/4/2018  | 10:20          | SDE-FL1-BOYSRRNEAR110-MSINK-SDE9   | Lead, ppb          | <1     | Less than detection level  |  |  |
| SDE10       | 4/4/2018  | 10:20          | SDE-FL1-BOYSRRNEAR110-RSINK-SDE10  | Lead, ppb          | <1     | Less than detection level  |  |  |
| SDE11       | 4/4/2018  | 10:17          | SDE-FL1-GIRLSRRNEAR110-LSINK-SDE11 | Lead, ppb          | <1     | Less than detection level  |  |  |
| SDE12       | 4/4/2018  | 10:17          | SDE-FL1-GIRLSRRNEAR110-MSINK-SDE12 | Lead, ppb          | <1     | Less than detection level  |  |  |
| SDE13       | 4/4/2018  | 10:17          | SDE-FL1-GIRLSRRNEAR110-RSINK-SDE13 | Lead, ppb          | <1     | Less than detection level  |  |  |
| SDE14       | 4/4/2018  | 10:21          | SDE-FL1-118-SINK-SDE14             | Lead, ppb          | <1     | Less than detection level  |  |  |
| SDE15       | 4/4/2018  | 10:23          | SDE-FL1-117-SINK-SDE15             | Lead, ppb          | 1.99   | Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead. |  |  |
| SDE16       | 4/4/2018  | 10:23          | SDE-FL1-117-DF-SDE16               | Lead, ppb          | <1     | Less than detection level  |  |  |
| SDE17       | 4/4/2018  | 10:24          | SDE-FL1-116-SINK-SDE17             | Lead, ppb          | <1     | Less than detection level  |  |  |
| SDE18       | 4/4/2018  | 10:24          | SDE-FL1-116-DF-SDE18               | Lead, ppb          | <1     | Less than detection level  |  |  |
| SDE19       | 4/4/2018  | 10:25          | SDE-FL1-115-SINK-SDE19             | Lead, ppb          | <1     | Less than detection level  |  |  |
| SDE20       | 4/4/2018  | 10:23          | SDE-FL1-115-DF-SDE20               | Lead, ppb          | <1     | Less than detection level  |  |  |
| SDE21       | 4/4/2018  | 10:21          | SDE-FL1-114-SINK-SDE21             | Lead, ppb          | 1.1    | Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead. |  |  |
| SDE22       | 4/4/2018  | 10:26          | SDE-FL1-114-DF-SDE22               | Lead, ppb          | <1     | Less than detection level  |  |  |
| SDE23       | 4/4/2018  | 10:25          | SDE-FL1-113-SINK-SDE23             | Lead, ppb          | <1     | Less than detection level  |  |  |
| SDE24       | 4/4/2018  | 10:25          | SDE-FL1-113-DF-SDE24               | Lead, ppb          | <1     | Less than detection level  |  |  |



| Princeton City School District - Springdale Elementary - Lead Testing Results |                |                |  |                            |              |   |                                 |                |      |  |
|---|----------------|----------------|--|----------------------------|--------------|---|---------------------------------|----------------|------|--|
| SAMPLE<br>#   | SAMPLE<br>DATE | SAMPLE<br>TIME | SAMPLE                                   | PARAMETER,<br>CODE         | AMOUNT       | GCWW COMMENTS/REVIEW/ RECOMMENDATIONS REGARDING RESULTS         |                                 |                |      |  |
| "   |                |                |  |                            |              | Lead detected; less than 15ppb action                           |                                 |                |      |  |
| SDE25   | 4/4/2018       | 10:29          | SDE-FL1-112-SINK-SDE25                   | Lead, ppb                  | 2.73         | level. Review 3Ts Guidelines to                                 |                                 |                |      |  |
| JDL23   | 4/4/2010       | 10.27          | SDE-1 E1-112-SHVK-SDE25                  | Lead, ppb                  | 2.75         | understand options to further reduce the                        |                                 |                |      |  |
| 00507   | 4/4/0040       | 10.00          | ODE 514 440 DE ODEO(                     |                            | 4            | risk of lead.   |                                 |                |      |  |
| SDE26   | 4/4/2018       | 10:29          | SDE-FL1-112-DF-SDE26                     | Lead, ppb                  | <1           | Less than detection level Lead detected; less than 15ppb action |                                 |                |      |  |
|   |                |                |  |                            |              | level. Review 3Ts Guidelines to                                 |                                 |                |      |  |
| SDE27   | 4/4/2018       | 10:27          | SDE-FL1-111-SINK-SDE27                   | Lead, ppb                  | 3.47         | understand options to further reduce the                        |                                 |                |      |  |
|   |                |                |  |                            |              | risk of lead.   |                                 |                |      |  |
| SDE28   | 4/4/2018       | 10:27          | SDE-FL1-111-DF-SDE28                     | Lead, ppb                  | <1           | Less than detection level                                       |                                 |                |      |  |
| SDE29   | 4/4/2018       | 10:29          | SDE-FL1-119-SINK-SDE29                   | Lead, ppb                  | <1           | Less than detection level                                       |                                 |                |      |  |
| SDE30   | 4/4/2018       | 10:29          | SDE-FL1-119-DF-SDE30                     | Lead, ppb                  | <1           | Less than detection level                                       |                                 |                |      |  |
| SDE31   | 4/4/2018       | 10:29          | SDE-FL1-119RR-SINK-SDE31                 | Lead, ppb                  | <1           | Less than detection level                                       |                                 |                |      |  |
| SDE32   | 4/4/2018       | 10:29          | SDE-FL1-120-SINK-SDE32                   | Lead, ppb                  | <1           | Less than detection level                                       |                                 |                |      |  |
| SDE33   | 4/4/2018       | 10:29          | SDE-FL1-120-DF-SDE33                     | Lead, ppb                  | <1           | Less than detection level                                       |                                 |                |      |  |
| SDE34   | 4/4/2018       | 10:29          | SDE-FL1-120RR-SINK-SDE34                 | Lead, ppb                  | <1           | Less than detection level                                       |                                 |                |      |  |
| SDE35   | 4/4/2018       | 10:33          | SDE-FL1-STAFFRRNEAR121-SINK-SDE35        | Lead, ppb                  | <1           | Less than detection level                                       |                                 |                |      |  |
|   | 4/4/2018       |                | SDE-FL1-121ART-LSINK-SDE36               |                            | 1.47         | Lead detected; less than 15ppb action                           |                                 |                |      |  |
| SDE36   |                | 10:33          |  | Lead, ppb                  |              | level. Review 3Ts Guidelines to                                 |                                 |                |      |  |
| 02200   |                |                |  | 2000, pp.0                 |              | understand options to further reduce the                        |                                 |                |      |  |
|   |                |                |  |                            |              | risk of lead.<br>Lead detected; less than 15ppb action          |                                 |                |      |  |
|   | 4/4/2018       |                |  |                            |              | level. Review 3Ts Guidelines to                                 |                                 |                |      |  |
| SDE37   |                | 4/4/2018       | 4/4/2018                                 | 4/4/2018                   | 4/4/2018     | '4/2018 10:33 SDE-FL1-121ART                                    | SDE-FL1-121ART-MSINK-SDE37      | DE37 Lead, ppb | 1.35 | understand options to further reduce the |
|   |                |                |  |                            | risk of lead |   |                                 |                |      |  |
|   |                |                |  |                            |              | Lead detected; less than 15ppb action                           |                                 |                |      |  |
| SDE38   | 4/4/2018       | 4/4/2018       | /4/2018 10:33 SDE-FL1-121ART-RSINK-SDE38 | SDE-FL1-121ART-RSINK-SDE38 | Lead, ppb    | 8.07  | level. Review 3Ts Guidelines to |                |      |  |
|   |                |                |  |                            |              |   |                                 |                |      |  |
| SDE39   | 4/4/2018       | 10:43          | SDE-FL1-HALLNEAR124-LDF-SDE39            | Lead, ppb                  | <1           | Less than detection level                                       |                                 |                |      |  |
| SDE40   | 4/4/2018       | 10:43          | SDE-FL1-HALLNEAR124-RDF-SDE40            | Lead, ppb                  | <1           | Less than detection level                                       |                                 |                |      |  |
| SDE41   | 4/4/2018       | 10:35          | SDE-FL1-GIRLSRRNEAR124-LSINK-SDE41       | Lead, ppb                  | <1           | Less than detection level                                       |                                 |                |      |  |
| SDE42   | 4/4/2018       | 10:35          | SDE-FL1-GIRLSRRNEAR124-MSINK-SDE42       | Lead, ppb                  | <1           | Less than detection level                                       |                                 |                |      |  |
| SDE43   | 4/4/2018       | 10:35          | SDE-FL1-GIRLSRRNEAR124-RSINK-SDE43       | Lead, ppb                  | <1           | Less than detection level                                       |                                 |                |      |  |
| SDE44   | 4/4/2018       | 10:35          | SDE-FL1-BOYSRRNEAR124-LSINK-SDE44        | Lead, ppb                  | <1           | Less than detection level                                       |                                 |                |      |  |
| SDE45   | 4/4/2018       | 10:35          | SDE-FL1-BOYSRRNEAR124-MSINK-SDE45        | Lead, ppb                  | <1           | Less than detection level                                       |                                 |                |      |  |
| SDE46   | 4/4/2018       | 10:55          | SDE-FL1-BOYSRRNEAR124-RSINK-SDE46        | Lead, ppb                  | <1           | Less than detection level                                       |                                 |                |      |  |



| SAMPLE<br># | SAMPLE<br>DATE | SAMPLE<br>TIME | SAMPLE                             | PARAMETER,<br>CODE | AMOUNT | GCWW COMMENTS/REVIEW/ RECOMMENDATIONS REGARDING RESULTS  |
|-------------|----------------|----------------|------------------------------------|--------------------|--------|--|
| SDE47       | 4/4/2018       | 10:41          | SDE-FL1-CAFE-LDF-SDE47             | Lead, ppb          | <1     | Less than detection level  |
| SDE48       | 4/4/2018       | 10:41          | SDE-FL1-CAFE-RDF-SDE48             | Lead, ppb          | <1     | Less than detection level  |
| SDE49       | 4/4/2018       | 10:47          | SDE-FL1-127STAFFDINE-SINK-SDE49    | Lead, ppb          | <1     | Less than detection level  |
| SDE50       | 4/4/2018       | 10:06          | SDE-FL1-KIT2TUB-SINK-SDE50         | Lead, ppb          | 1.09   | Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead  |
| SDE51       | 4/4/2018       | 10:06          | SDE-FL1-KIT3TUB-LSINK-SDE51        | Lead, ppb          | 1.21   | Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead. |
| SDE52       | 4/4/2018       | 10:06          | SDE-FL1-KIT3TUB-RSINK-SDE52        | Lead, ppb          | 2.38   | Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce thrisk of lead.   |
| SDE53       | 4/4/2018       | 10:06          | SDE-FL1-KITSTAFFRR-SINK-SDE53      | Lead, ppb          | <1     | Less than detection level  |
| SDE54       | 4/4/2018       | 10:06          | SDE-FL1-KITDISPOSAL-SPRAY-SDE54    | Lead, ppb          | <1     | Less than detection level  |
| SDE55       | 4/4/2018       | 10:06          | SDE-FL1-KITNEARPREP-HANDSINK-SDE55 | Lead, ppb          | 6.68   | Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce thrisk of lead.   |
| SDE56       | 4/4/2018       | 10:06          | SDE-FL1-KITNEARSERV-HANDSINK-SDE56 | Lead, ppb          | 1.49   | Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead. |
| SDE57       | 4/4/2018       | 10:06          | SDE-FL1-KIT-IM-SDE57               | Lead, ppb          | 4.09   | Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce thrisk of lead.   |
| SDE58       | 4/4/2018       | 10:42          | SDE-FL1-123MUSIC-SINK-SDE58        | Lead, ppb          | 2.09   | Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce thrisk of lead.   |
| SDE59       | 4/4/2018       | 10:42          | SDE-FL1-123MUSIC-DF-SDE59          | Lead, ppb          | <1     | Less than detection level  |
| SDE60       | 4/4/2018       | 10:42          | SDE-FL1-124-SINK-SDE60             | Lead, ppb          | <1     | Less than detection level  |
| SDE61       | 4/4/2018       | 10:42          | SDE-FL1-124-DF-SDE61               | Lead, ppb          | <1     | Less than detection level  |
| SDE62       | 4/4/2018       | 10:42          | SDE-FL1-124RR-SINK-SDE62           | Lead, ppb          | <1     | Less than detection level  |
| SDE63       | 4/4/2018       | 10:43          | SDE-FL1-125-SINK-SDE63             | Lead, ppb          | <1     | Less than detection level  |



|             | Princeton City School District - Springdale Elementary - Lead Testing Results |                |                              |                    |        |  |  |  |
|-------------|---|----------------|------------------------------|--------------------|--------|--|--|--|
| SAMPLE<br># | SAMPLE<br>DATE  | SAMPLE<br>TIME | SAMPLE                       | PARAMETER,<br>CODE | AMOUNT | GCWW COMMENTS/REVIEW/ RECOMMENDATIONS REGARDING RESULTS  |  |  |
| SDE64       | 4/4/2018  | 10:43          | SDE-FL1-125-DF-SDE64         | Lead, ppb          | <1     | Less than detection level  |  |  |
| SDE65       | 4/4/2018  | 10:43          | SDE-FL1-125RR-SINK-SDE65     | Lead, ppb          | <1     | Less than detection level  |  |  |
| SDE66       | 4/4/2018  | 10:47          | SDE-FL1-126-SINK-SDE66       | Lead, ppb          | 1.77   | Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead. |  |  |
| SDE67       | 4/4/2018  | 10:47          | SDE-FL1-126-DF-SDE67         | Lead, ppb          | <1     | Less than detection level  |  |  |
| SDE68       | 4/4/2018  | 10:47          | SDE-FL1-126RR-SINK-SDE68     | Lead, ppb          | <1     | Less than detection level  |  |  |
| SDE69       | 4/4/2018  | 10:54          | SDE-FL2-211LWALL-LSINK-SDE69 | Lead, ppb          | 11     | Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead. |  |  |
| SDE70       | 4/4/2018  | 10:54          | SDE-FL2-211LWALL-RSINK-SDE70 | Lead, ppb          | 9.16   | Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead. |  |  |
| SDE71       | 4/4/2018  | 10:54          | SDE-FL2-211RWALL-LSINK-SDE71 | Lead, ppb          | 2.74   | Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead. |  |  |
| SDE72       | 4/4/2018  | 10:56          | SDE-FL2-211RWALL-RSINK-SDE72 | Lead, ppb          | <1     | Less than detection level  |  |  |
| SDE73       | 4/4/2018  | 10:54          | SDE-FL2-211BWALL-SINK-SDE73  | Lead, ppb          | <1     | Less than detection level  |  |  |
| SDE74       | 4/4/2018  | 10:54          | SDE-FL2-211BWALL-DF-SDE74    | Lead, ppb          | <1     | Less than detection level  |  |  |
| SDE75       | 4/4/2018  | 10:52          | SDE-FL2-212-SINK-SDE75       | Lead, ppb          | 5.28   | Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead. |  |  |
| SDE76       | 4/4/2018  | 10:52          | SDE-FL2-212-DF-SDE76         | Lead, ppb          | <1     | Less than detection level  |  |  |
| SDE77       | 4/4/2018  | 10:52          | SDE-FL2-213-SINK-SDE77       | Lead, ppb          | <1     | Less than detection level  |  |  |
| SDE78       | 4/4/2018  | 10:52          | SDE-FL2-213-DF-SDE78         | Lead, ppb          | <1     | Less than detection level  |  |  |
| SDE79       | 4/4/2018  | 11:02          | SDE-FL2-214-SINK-SDE79       | Lead, ppb          | 1.53   | Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead. |  |  |
| SDE80       | 4/4/2018  | 11:02          | SDE-FL2-214-DF-SDE80         | Lead, ppb          | <1     | Less than detection level  |  |  |



|             |                | Princeto       | n City School District - Springdale E | lementary - Le     | ad Testin | g Results  |
|-------------|----------------|----------------|---------------------------------------|--------------------|-----------|--|
| SAMPLE<br># | SAMPLE<br>DATE | SAMPLE<br>TIME | SAMPLE                                | PARAMETER,<br>CODE | AMOUNT    | GCWW COMMENTS/REVIEW/ RECOMMENDATIONS REGARDING RESULTS  |
| "           |                |                |                                       | 0051               |           | Lead detected; less than 15ppb action  |
| SDE81       | 4/4/2018       | 10:56          | SDE-FL2-200COMRM-SINK-SDE81           | Lead, ppb          | 1.09      | level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.                                       |
| SDE82       | 4/4/2018       | 10:56          | SDE-FL2-203LIBRARYOFF-SINK-SDE82      | Lead, ppb          | 1.83      | Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead. |
| SDE83       | 4/4/2018       | 10:56          | SDE-FL2-HALLNEAR204-LDF-SDE83         | Lead, ppb          | <1        | Less than detection level  |
| SDE84       | 4/4/2018       | 10:56          | SDE-FL2-HALLNEAR204-RDF-SDE84         | Lead, ppb          | <1        | Less than detection level  |
| SDE85       | 4/4/2018       | 10:58          | SDE-FL2-GIRLSRRNEAR204-LSINK-SDE85    | Lead, ppb          | <1        | Less than detection level  |
| SDE86       | 4/4/2018       | 10:58          | SDE-FL2-GIRLSRRNEAR204-MSINK-SDE86    | Lead, ppb          | <1        | Less than detection level  |
| SDE87       | 4/4/2018       | 10:58          | SDE-FL2-GIRLSRRNEAR204-RSINK-SDE87    | Lead, ppb          | <1        | Less than detection level  |
| SDE88       | 4/4/2018       | 11:01          | SDE-FL2-BOYSRRNEAR204-LSINK-SDE88     | Lead, ppb          | <1        | Less than detection level  |
| SDE89       | 4/4/2018       | 11:01          | SDE-FL2-BOYSRRNEAR204-MSINK-SDE89     | Lead, ppb          | <1        | Less than detection level  |
| SDE90       | 4/4/2018       | 11:01          | SDE-FL2-BOYSRRNEAR204-RSINK-SDE90     | Lead, ppb          | <1        | Less than detection level  |
| SDE91       | 4/4/2018       | 11:04          | SDE-FL2-204LWALL-LSINK-SDE91          | Lead, ppb          | 4.88      | Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead. |
| SDE92       | 4/4/2018       | 11:04          | SDE-FL2-204LWALL-RSINK-SDE92          | Lead, ppb          | 3.16      | Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead. |
| SDE93       | 4/4/2018       | 11:04          | SDE-FL2-204RWALL-LSINK-SDE93          | Lead, ppb          | <1        | Less than detection level  |
| SDE94       | 4/4/2018       | 11:04          | SDE-FL2-204RWALL-RSINK-SDE94          | Lead, ppb          | <1        | Less than detection level  |
| SDE95       | 4/4/2018       | 11:04          | SDE-FL2-204BWALL-SINK-SDE95           | Lead, ppb          | 4.38      | Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead. |
| SDE96       | 4/4/2018       | 11:04          | SDE-FL2-204BWALL-DF-SDE96             | Lead, ppb          | <1        | Less than detection level  |
| SDE97       | 4/4/2018       | 10:59          | SDE-FL2-205-SINK-SDE97                | Lead, ppb          | 5.03      | Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead. |
| SDE98       | 4/4/2018       | 10:59          | SDE-FL2-205-DF-SDE98                  | Lead, ppb          | <1        | Less than detection level  |



|             |                | Princeto       | n City School District - Springdale El | ementary - Le      | ad Testin | g Results  |
|-------------|----------------|----------------|--|--------------------|-----------|--|
| SAMPLE<br># | SAMPLE<br>DATE | SAMPLE<br>TIME | SAMPLE                                 | PARAMETER,<br>CODE | AMOUNT    | GCWW COMMENTS/REVIEW/ RECOMMENDATIONS REGARDING RESULTS  |
| SDE99       | 4/4/2018       | 11:07          | SDE-FL2-206-SINK-SDE99                 | Lead, ppb          | 1.9       | Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.   |
| SDE100      | 4/4/2018       | 11:07          | SDE-FL2-206-DF-SDE100                  | Lead, ppb          | <1        | Less than detection level  |
| SDE101      | 4/4/2018       | 11:00          | SDE-FL2-207-SINK-SDE101                | Lead, ppb          | <1        | Less than detection level  |
| SDE102      | 4/4/2018       | 11:00          | SDE-FL2-207-DF-SDE102                  | Lead, ppb          | <1        | Less than detection level  |
| SDE103      | 4/4/2018       | 11:00          | SDE-FL2-208-SINK-SDE103                | Lead, ppb          | 1.53      | Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.   |
| SDE104      | 4/4/2018       | 11:00          | SDE-FL2-208-DF-SDE104                  | Lead, ppb          | <1        | Less than detection level  |
| SDE105      | 4/4/2018       | 11:11          | SDE-FL2-209LWALL-LSINK-SDE105          | Lead, ppb          | 5.24      | Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.   |
| SDE106      | 4/4/2018       | 11:11          | SDE-FL2-209LWALL-RSINK-SDE106          | Lead, ppb          | <1        | Less than detection level  |
| SDE107      | 4/4/2018       | 11:11          | SDE-FL2-209RWALL-LSINK-SDE107          | Lead, ppb          | <1        | Less than detection level  |
| SDE108      | 4/4/2018       | 11:11          | SDE-FL2-209RWALL-RSINK-SDE108          | Lead, ppb          | <1        | Less than detection level  |
| SDE109      | 4/4/2018       | 11:11          | SDE-FL2-209BWALL-SINK-SDE109           | Lead, ppb          | 19.2      | Above 15ppb federal action level and the 20ppb trigger level to take action as explained in the USEPA 3Ts Guidelines for schools. Until a defined remediation plan is created, immediately remove from service (tag out of service and/or disconnect the water supply to this location). |
| SDE110      | 4/4/2018       | 11:11          | SDE-FL2-209BWALL-DF-SDE110             | Lead, ppb          | <1        | Less than detection level  |
| SDE111      | 4/4/2018       | 11:15          | SDE-FL2-210-SINK-SDE111                | Lead, ppb          | 4.37      | Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.   |
| SDE112      | 4/4/2018       | 11:15          | SDE-FL2-210-DF-SDE112                  | Lead, ppb          | <1        | Less than detection level  |
| SDE113      | 4/4/2018       | 11:11          | SDE-FL2-210RR-SINK-SDE113              | Lead, ppb          | <1        | Less than detection level  |
| SDE114      | 4/4/2018       | 11:15          | SDE-FL2-STAFFRRNEAR210-SINK-SDE114     | Lead, ppb          | <1        | Less than detection level  |