

Mr. Albert Tijerina
East Aurora School District 131
Director of Building and Grounds
411 Hill Avenue
Aurora, Illinois 60505

**RE: Lead Sampling in Potable Water
Benavides Kindergarten Center
250 Indian Trail, Aurora, IL 60505**

Dear Mr. Tijerina:

The following letter report summarizes the laboratory results for the drinking water samples collected from the potable water sources at Benavides Kindergarten Center in Aurora, Illinois. The sampling was conducted on November 11, 2017 by Mr. Matthew Rodriguez of Weaver Consultants Group (WCG). Mr. Rodriguez conducted the sampling under the direction of Mr. David J. Kedrowski, CIH.

SCOPE OF WORK

The scope of work for this project involved collecting water samples from pre-identified water locations. The potable locations were provided to WCG by East Aurora School District 131. The collected potable water samples were then analyzed for lead by an accredited laboratory.

METHODOLOGY

WCG followed protocols set by U.S. Environmental Protection Agency (EPA) and Illinois Department of Public Health (IDPH) for testing schools for lead in drinking water. Representatives from East Aurora School District 131 confirmed the school was under normal use and ensured the water settled within the piping systems/fixtures for between eight (8) to eighteen (18) hours.

Thirty-nine (39) water samples from representative potable water locations were collected in 250 milliliter bottles. The water samples were collected as a "first draw" from each source to represent a lead concentration from water allowed to sit within the pipes or drinking reservoirs for at least eight (8) hours and not more than eighteen (18) hours. A second sample was collected from each location after a 30 second flush to represent water from within the building's localized water piping system. Potable water sources generally included drinking fountains, Nurses' Offices, Teachers' Lounges, kitchen faucets and preschool, kindergarten, and first floor classroom sinks, etc.

At the request of the District, non-potable samples were collected at the water main to the building to establish a baseline. As this is a non-potable source, the results likely do not represent water within the building system but rather sediment at the water main valve or within the sampling connections used to draw the sample. Water samples collected at each potable fixture should instead be relied upon as representative of the drinking water within the building.

Each sample was labeled with a unique sample number identifying the school. The samples were transported to Suburban Labs Incorporated (Suburban) in Geneva, Illinois. Samples were analyzed for lead content using EPA Method 200.8 "Determination of Trace Elements in Water using Inductively Coupled Plasma (ICP)/Mass Spectrometry (MS). Suburban is accredited to analyze lead in potable drinking water under the National Environmental Laboratory Accreditation Program (NELAP).

RESULTS

The results of the water sample analysis revealed that three (3) samples of the thirty-nine (39) collected had lead concentrations above the IDPH Action Level of 2 ppb ($\mu\text{g/L}$). All sample results that exceed 5 $\mu\text{g/L}$ should be promptly reported to parents or guardians of the enrolled students as required by the Illinois Department of Public Health (IDPH).

CONCLUSIONS AND RECOMMENDATIONS

- 1) Within 7 business days of receipt of test results, schools must email all results to IDPH at DPH.LeadH20@illinois.gov. **WCG will email these results on behalf of East Aurora School District 131.**
- 2) All sample results that exceed 5 $\mu\text{g/L}$ should be promptly reported to parents or guardians of all enrolled students in writing or electronically and include:
 - The location and source exceeding 5 $\mu\text{g/L}$.
 - The USEPA website for information about lead in drinking water, <https://www.epa.gov/ground-water-and-drinking-water/basic-information-about-lead-drinking-water>.
- 3) Implement corrective action for fixtures greater than 2 $\mu\text{g/L}$.
- 4) Implement best practices to minimize lead concentrations in drinking water.

BEST PRACTICES

Best practices for managing elevated lead concentrations in drinking water may include implementing a water quality management plan (WQMP), establishing a routine water flushing program for potable sources daily or during periods of low occupancy or low water usage, routine maintenance to clean screens and aerators, and confirmation sampling. In addition, occupants should avoid consuming water from non-potable sources i.e. classroom or office sinks, washroom sinks, maintenance closets, etc. and hot water taps.

A summary of the sample locations and results may be found in Appendix A and the laboratory report with chain of custody sheets may be found in Appendix B. We appreciate the opportunity to assist you on this important project.

Sincerely,

Weaver Consultants Group North Central, LLC



David J. Kedrowski, CIH
Senior Project Director

APPENDIX A

Lead in Potable Water Sample Results

**Benavides Kindergarten Center
250 Indian Trail
Aurora, IL 60505**

Benavides Kindergarten Center
250 Indian Trail
Aurora, IL 60505

ISBE ID	Sample Date	Sample Time (12 HR Clock)	Sample ID Number	Sample Location Description	Fixture Type	Date of Last Use	Time of Last Use (12 HR Clock)	Sample Type	Concentration (ug/L)
310451310222017	11/11/2017	06:00 AM	KINDE-01A	1st Floor - Corner By Hall Bathrooms (Left)	DF - Drinking Fountain	10/10/2017	07:30 PM	First Draw	ND
310451310222017	11/11/2017	06:00 AM	KINDE-01B	1st Floor - Corner By Hall Bathrooms (Left)	DF - Drinking Fountain	10/10/2017	07:30 PM	Flush	ND
310451310222017	11/11/2017	06:00 AM	KINDE-02A	1st Floor - Corner By Hall Bathrooms (Right)	DF - Drinking Fountain	10/10/2017	07:30 PM	First Draw	ND
310451310222017	11/11/2017	06:00 AM	KINDE-02AA	1st Floor - Corner By Hall Bathrooms (Bottle Filler)	DF - Drinking Fountain	10/10/2017	07:30 PM	First Draw	ND
310451310222017	11/11/2017	06:00 AM	KINDE-02B	1st Floor - Corner By Hall Bathrooms (Right)	DF - Drinking Fountain	10/10/2017	07:30 PM	Flush	ND
310451310222017	11/11/2017	06:06 AM	KINDE-03A	1st Floor - Hallway by Room 158 (Left Sink)	S - Sink	10/10/2017	07:30 PM	First Draw	ND
310451310222017	11/11/2017	06:06 AM	KINDE-03B	1st Floor - Hallway by Room 158 (Left Sink)	S - Sink	10/10/2017	07:30 PM	Flush	ND
310451310222017	11/11/2017	06:06 AM	KINDE-04A	1st Floor - Hallway by Room 158 (Right Sink)	S - Sink	10/10/2017	07:30 PM	First Draw	ND
310451310222017	11/11/2017	06:06 AM	KINDE-04B	1st Floor - Hallway by Room 158 (Right Sink)	S - Sink	10/10/2017	07:30 PM	Flush	ND
310451310222017	11/11/2017	06:11 AM	KINDE-05A	1st Floor - Room 136 - Staff Lounge	S - Sink	10/10/2017	07:30 PM	First Draw	ND
310451310222017	11/11/2017	06:11 AM	KINDE-05B	1st Floor - Room 136 - Staff Lounge	S - Sink	10/10/2017	07:30 PM	Flush	ND
310451310222017	11/11/2017	06:14 AM	KINDE-06A	1st Floor - Room 129 - Kitchen	KS - Kitchen Sink	10/10/2017	07:30 PM	First Draw	ND
310451310222017	11/11/2017	06:14 AM	KINDE-06B	1st Floor - Room 129 - Kitchen	KS - Kitchen Sink	10/10/2017	07:30 PM	Flush	ND
310451310222017	11/11/2017	06:14 AM	KINDE-07A	1st Floor - Room 129 - Kitchen (Hand Sink)	S - Sink	10/10/2017	07:30 PM	First Draw	ND
310451310222017	11/11/2017	06:14 AM	KINDE-07B	1st Floor - Room 129 - Kitchen (Hand Sink)	S - Sink	10/10/2017	07:30 PM	Flush	ND
310451310222017	11/11/2017	06:19 AM	KINDE-08A	1st Floor - By Bathrooms Outside of Gym (Left)	DF - Drinking Fountain	10/10/2017	07:30 PM	First Draw	ND
310451310222017	11/11/2017	06:19 AM	KINDE-08B	1st Floor - By Bathrooms Outside of Gym (Left)	DF - Drinking Fountain	10/10/2017	07:30 PM	Flush	ND
310451310222017	11/11/2017	06:19 AM	KINDE-09A	1st Floor - By Bathrooms Outside of Gym (Right)	DF - Drinking Fountain	10/10/2017	07:30 PM	First Draw	ND
310451310222017	11/11/2017	06:19 AM	KINDE-09B	1st Floor - By Bathrooms Outside of Gym (Right)	DF - Drinking Fountain	10/10/2017	07:30 PM	Flush	ND
310451310222017	11/11/2017	06:24 AM	KINDE-10A	1st Floor - Hallway by Room 121 (Left Sink)	S - Sink	10/10/2017	07:30 PM	First Draw	ND
310451310222017	11/11/2017	06:24 AM	KINDE-10B	1st Floor - Hallway by Room 121 (Left Sink)	S - Sink	10/10/2017	07:30 PM	Flush	ND
310451310222017	11/11/2017	06:24 AM	KINDE-11A	1st Floor - Hallway by Room 121 (Right Sink)	S - Sink	10/10/2017	07:30 PM	First Draw	2.42
310451310222017	11/11/2017	06:24 AM	KINDE-11B	1st Floor - Hallway by Room 121 (Right Sink)	S - Sink	10/10/2017	07:30 PM	Flush	ND
310451310222017	11/11/2017	06:29 AM	KINDE-12A	1st Floor - Classroom 111	S - Sink	10/10/2017	07:30 PM	First Draw	ND
310451310222017	11/11/2017	06:29 AM	KINDE-12B	1st Floor - Classroom 111	S - Sink	10/10/2017	07:30 PM	Flush	ND
310451310222017	11/11/2017	06:33 AM	KINDE-13A	1st Floor - Hallway by Room 125 (Left Sink)	S - Sink	10/10/2017	07:30 PM	First Draw	ND
310451310222017	11/11/2017	06:33 AM	KINDE-13B	1st Floor - Hallway by Room 125 (Left Sink)	S - Sink	10/10/2017	07:30 PM	Flush	ND
310451310222017	11/11/2017	06:33 AM	KINDE-14A	1st Floor - Hallway by Room 125 (Right Sink)	S - Sink	10/10/2017	07:30 PM	First Draw	ND
310451310222017	11/11/2017	06:33 AM	KINDE-14B	1st Floor - Hallway by Room 125 (Right Sink)	S - Sink	10/10/2017	07:30 PM	Flush	ND
310451310222017	11/11/2017	06:46 AM	KINDE-15A	1st Floor - By Bathrooms and Room 149 (Left)	DF - Drinking Fountain	10/10/2017	07:30 PM	First Draw	ND
310451310222017	11/11/2017	06:46 AM	KINDE-15B	1st Floor - By Bathrooms and Room 149 (Left)	DF - Drinking Fountain	10/10/2017	07:30 PM	Flush	4.75
310451310222017	11/11/2017	06:46 AM	KINDE-16A	1st Floor - By Bathrooms and Room 149 (Right)	DF - Drinking Fountain	10/10/2017	07:30 PM	First Draw	ND
310451310222017	11/11/2017	06:46 AM	KINDE-16AA	1st Floor - By Bathrooms and Room 149 (Right)	DF - Drinking Fountain	10/10/2017	07:30 PM	First Draw	ND
310451310222017	11/11/2017	06:46 AM	KINDE-16B	1st Floor - By Bathrooms and Room 149 (Right)	DF - Drinking Fountain	10/10/2017	07:30 PM	Flush	ND
310451310222017	11/11/2017	06:50 AM	KINDE-17A	1st Floor - Room 125A - Water Main	O - Other	10/10/2017	07:30 PM	First Draw	8.1
310451310222017	11/11/2017	06:50 AM	KINDE-17B	1st Floor - Room 125A - Water Main	O - Other	10/10/2017	07:30 PM	Flush	ND
310451310222017	11/11/2017	07:00 AM	KINDE-18A	1st Floor - Room 145 - Nurse's Office	S - Sink	10/10/2017	07:30 PM	First Draw	ND
310451310222017	11/11/2017	07:00 AM	KINDE-18B	1st Floor - Room 145 - Nurse's Office	S - Sink	10/10/2017	07:30 PM	Flush	ND

APPENDIX B
Laboratory Results and Chain of Custody Documentation

SUBURBAN LABORATORIES, Inc.



1950 S. Batavia Ave., Suite 150 Geneva, Illinois 60134
Tel. (708) 544-3260 • Toll Free (800) 783-LABS
Fax (708) 544-8587
www.suburbanlabs.com

December 05, 2017

Olivia Reynhout
Weaver Consultants Group
1316 Bond St - Suite 108
Naperville, IL 60563

Workorder: 1711B26

TEL: (630) 717-4848

FAX: (630) 717-4850

RE: Benavides Kindergarten Center Drinking Water Lead Analysis

Dear Olivia Reynhout:

Suburban Laboratories, Inc. received 39 sample(s) on 11/15/2017 for the analyses presented in the following report.

Customer has provided 250 mL volume sample bottles for all samples collected. Please note, all sample results that exceed 5.00 ug/L should be promptly reported to parents or guardians of all enrolled students. Results that are below 5.00 ug/L should be reported on the school website. Please refer to Public Act 099-0922 or the Illinois Department of Public Health for specific reporting requirements. Suburban Laboratories will forward all results to the IDPH within seven (7) business days from the date of this report.

This report may not be reproduced, except in full, without the prior written approval of Suburban Laboratories, Inc. If you have any questions regarding these test results, please call me at (708) 544-3260.

Sincerely,

Pat Rodriguez
Project Manager
708-544-3260 ext 214
pat@suburbanlabs.com



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Client ID: Weaver Consultants Group

Report Date: December 05, 2017

Project Name: Benavides Kindergarten Center Drinking Water Lead Ana

Workorder: 1711B26

Analyte: Lead

Method: EPA 200.8

Matrix: Drinking Water

Sample ID	Client Sample ID	Result	MRL	Units	Date & Time Water System Last Used	Date Collected	Date Analyzed
1711B26-001A	KINDE-01A~1st Floor - Corner By Hall Bathrooms (Left)~First Draw	ND	2.00	µg/L	10/10/2017 19:30	11/11/2017	11/27/2017
1711B26-002A	KINDE-01B~1st Floor - Corner By Hall Bathrooms (Left)~Flush	ND	2.00	µg/L	10/10/2017 19:30	11/11/2017	11/27/2017
1711B26-003A	KINDE-02A~1st Floor - Corner By Hall Bathrooms (Right)~First Draw	ND	2.00	µg/L	10/10/2017 19:30	11/11/2017	11/27/2017
1711B26-004A	KINDE-02AA~1st Floor - Corner By Hall Bathrooms (Bottle Filler)~First Draw	ND	2.00	µg/L	10/10/2017 19:30	11/11/2017	11/27/2017
1711B26-005A	KINDE-02B~1st Floor - Corner By Hall Bathrooms (Right)~Flush	ND	2.00	µg/L	10/10/2017 19:30	11/11/2017	11/27/2017
1711B26-006A	KINDE-03A~1st Floor - Hallway by Room 158 (Left Sink)~First Draw	ND	2.00	µg/L	10/10/2017 19:30	11/11/2017	11/27/2017
1711B26-007A	KINDE-03B~1st Floor - Hallway by Room 158 (Left Sink)~Flush	ND	2.00	µg/L	10/10/2017 19:30	11/11/2017	11/27/2017
1711B26-008A	KINDE-04A~1st Floor - Hallway by Room 158 (Right Sink)~First Draw	ND	2.00	µg/L	10/10/2017 19:30	11/11/2017	11/27/2017
1711B26-009A	KINDE-04B~1st Floor - Hallway by Room 158 (Right Sink)~Flush	ND	2.00	µg/L	10/10/2017 19:30	11/11/2017	11/27/2017
1711B26-010A	KINDE-05A~1st Floor - Room 136 - Staff Lounge~First Draw	ND	2.00	µg/L	10/10/2017 19:30	11/11/2017	11/27/2017
1711B26-011A	KINDE-05B~1st Floor - Room 136 - Staff Lounge~Flush	ND	2.00	µg/L	10/10/2017 19:30	11/11/2017	11/27/2017
1711B26-012A	KINDE-06A~1st Floor - Room 129 - Kitchen~First Draw	ND	2.00	µg/L	10/10/2017 19:30	11/11/2017	11/27/2017
1711B26-013A	KINDE-06B~1st Floor - Room 129 - Kitchen~Flush	ND	2.00	µg/L	10/10/2017 19:30	11/11/2017	11/27/2017
1711B26-014A	KINDE-07A~1st Floor - Room 129 - Kitchen (Hand Sink)~First Draw	ND	2.00	µg/L	10/10/2017 19:30	11/11/2017	11/27/2017
1711B26-015A	KINDE-07B~1st Floor - Room 129 - Kitchen (Hand Sink)~Flush	ND	2.00	µg/L	10/10/2017 19:30	11/11/2017	11/27/2017
1711B26-016A	KINDE-08A~1st Floor - By Bathrooms Outside of Gym (Left)~First Draw	ND	2.00	µg/L	10/10/2017 19:30	11/11/2017	11/27/2017
1711B26-017A	KINDE-08B~1st Floor - By Bathrooms Outside of Gym (Left)~Flush	ND	2.00	µg/L	10/10/2017 19:30	11/11/2017	11/27/2017

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Client ID: Weaver Consultants Group

Report Date: December 05, 2017

Project Name: Benavides Kindergarten Center Drinking Water Lead Ana

Workorder: 1711B26

Analyte: Lead

Method: EPA 200.8

Matrix: Drinking Water

Sample ID	Client Sample ID	Result	MRL	Units	Date & Time Water System Last Used	Date Collected	Date Analyzed
1711B26-018A	KINDE-09A~1st Floor - By Bathrooms Outside of Gym (Right)~First Draw	ND	2.00	µg/L	10/10/2017 19:30	11/11/2017	11/27/2017
1711B26-019A	KINDE-09AA~1st Floor - By Bathrooms Outside of Gym (Bottle Filler)~First Draw	ND	2.00	µg/L	10/10/2017 19:30	11/11/2017	11/27/2017
1711B26-020A	KINDE-09B~1st Floor - By Bathrooms Outside of Gym (Right)~Flush	ND	2.00	µg/L	10/10/2017 19:30	11/11/2017	11/28/2017
1711B26-021A	KINDE-10A~1st Floor - Hallway by Room 121 (Left Sink)~First Draw	ND	2.00	µg/L	10/10/2017 19:30	11/11/2017	11/28/2017
1711B26-022A	KINDE-10B~1st Floor - Hallway by Room 121 (Left Sink)~Flush	ND	2.00	µg/L	10/10/2017 19:30	11/11/2017	11/28/2017
1711B26-023A	KINDE-11A~1st Floor - Hallway by Room 121 (Right Sink)~First Draw	2.42	2.00	µg/L	10/10/2017 19:30	11/11/2017	11/28/2017
1711B26-024A	KINDE-11B~1st Floor - Hallway by Room 121 (Right Sink)~Flush	ND	2.00	µg/L	10/10/2017 19:30	11/11/2017	11/28/2017
1711B26-025A	KINDE-12A~1st Floor - Classroom 111 ~First Draw	ND	2.00	µg/L	10/10/2017 19:30	11/11/2017	11/28/2017
1711B26-026A	KINDE-12B~1st Floor - Classroom 111 ~Flush	ND	2.00	µg/L	10/10/2017 19:30	11/11/2017	11/28/2017
1711B26-027A	KINDE-13A~1st Floor - Hallway by Room 125 (Left Sink)~First Draw	ND	2.00	µg/L	10/10/2017 19:30	11/11/2017	11/28/2017
1711B26-028A	KINDE-13B~1st Floor - Hallway by Room 125 (Left Sink)~Flush	ND	2.00	µg/L	10/10/2017 19:30	11/11/2017	11/28/2017
1711B26-029A	KINDE-14A~1st Floor - Hallway by Room 125 (Right Sink)~First Draw	ND	2.00	µg/L	10/10/2017 19:30	11/11/2017	11/28/2017
1711B26-030A	KINDE-14B~1st Floor - Hallway by Room 125 (Right Sink)~Flush	ND	2.00	µg/L	10/10/2017 19:30	11/11/2017	11/28/2017
1711B26-031A	KINDE-15A~1st Floor - By Bathrooms and Room 149 (Left)~First Draw	ND	2.00	µg/L	10/10/2017 19:30	11/11/2017	11/28/2017
1711B26-032A	KINDE-15B~1st Floor - By Bathrooms and Room 149 (Left)~Flush	4.75	2.00	µg/L	10/10/2017 19:30	11/11/2017	11/28/2017
1711B26-033A	KINDE-16A~1st Floor - By Bathrooms and Room 149 (Right)~First Draw	ND	2.00	µg/L	10/10/2017 19:30	11/11/2017	11/28/2017

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Client ID: Weaver Consultants Group

Report Date: December 05, 2017

Project Name: Benavides Kindergarten Center Drinking Water Lead Ana

Workorder: 1711B26

Analyte: Lead

Method: EPA 200.8

Matrix: Drinking Water

Sample ID	Client Sample ID	Result	MRL	Units	Date & Time Water System Last Used	Date Collected	Date Analyzed
1711B26-034A	Kinde-16AA~1st Floor - By Bathrooms and Room 149 (Bottle Filler)~First Draw	ND	2.00	µg/L	10/10/2017 19:30	11/11/2017	11/28/2017
1711B26-035A	KINDE-16B~1st Floor - By Bathrooms and Room 149 (Right)~Flush	ND	2.00	µg/L	10/10/2017 19:30	11/11/2017	11/28/2017
1711B26-036A	KINDE-17A~1st Floor - Room 125A - Water Main~First Draw	8.10	2.00	µg/L	10/10/2017 19:30	11/11/2017	11/28/2017
1711B26-037A	KINDE-17B~1st Floor - Room 125A - Water Main~Flush	ND	2.00	µg/L	10/10/2017 19:30	11/11/2017	11/28/2017
1711B26-038A	KINDE-18A~1st Floor - Room 145 - Nurse's Office~First Draw	ND	2.00	µg/L	10/10/2017 19:30	11/11/2017	11/28/2017
1711B26-039A	KINDE-18B~1st Floor - Room 145 - Nurse's Office~Flush	ND	2.00	µg/L	10/10/2017 19:30	11/11/2017	11/28/2017

33	310451310222017	School	KINDE-16A	ly Bathrooms and Room	11/11/2017	6:46	DF - Drinking Fountain	First Draw	250	
34	310451310222017	School	KINDE-16A	ly Bathrooms and Room 14	11/11/2017	6:46	DF - Drinking Fountain	First Draw	250	
35	310451310222017	School	KINDE-16B	ly Bathrooms and Room	11/11/2017	6:46	DF - Drinking Fountain	Flush	250	
36	310451310222017	School	KINDE-17A	or - Room 125A - Water	11/11/2017	6:50	O - Other	First Draw	250	Water Main
37	310451310222017	School	KINDE-17B	or - Room 125A - Water	11/11/2017	6:50	O - Other	Flush	250	Water Main
38	310451310222017	School	KINDE-18A	or - Room 145 - Nurse'	11/11/2017	7:00	S - Sink	First Draw	250	
39	310451310222017	School	KINDE-18B	or - Room 145 - Nurse'	11/11/2017	7:00	S - Sink	Flush	250	
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