



State of Louisiana
Louisiana Department of Health
Office of Public Health

September 7, 2021

Mr. Karl Bruchhaus
Superintendent of Schools
Calcasieu Parish School Board
P.O. Box 800
Lake Charles, LA 70602-0800

RE: Results of School Drinking Water Testing
E. K. Key Elementary School (SCH010030)
1201 E Burton Street Sulphur, LA 70663

Dear Mr. Bruchhaus,

Act 632 of the 2018 Regular Session required the Louisiana Department of Health (LDH) to establish a pilot program for drinking water testing at public elementary schools that were constructed prior to 1986 or which may otherwise be susceptible to drinking water lead contamination. Thank you for your participation and cooperation in this program.

On September 2, 2021, a total of 26 water samples were collected from the above referenced school in accordance with guidance provided in the Environmental Protection Agency's (EPA's) - 3Ts for Reducing Lead in Drinking Water in Schools Manual. Attached are the lead and copper sample results. Please note that the sample result for sample point ID "TCR-076" is for a sample collected from the water system.

All sample results were evaluated against the state recommended action level of 0.015 mg/L for lead and 1.3 mg/L for copper for drinking water. All sample results are below the state recommended Action Level for Lead. However, the "first draw" sample result for sample points/drinking fountains DF05 and DF13 exceeded the state recommended action level of **1.3 mg/L** for Copper. The "after flush" sample result for these drinking fountains were below the Copper action level. Therefore, LDH **recommends** to perform routine daily flushing at those fixtures prior to use to reduce Copper levels in the drinking water. LDH also recommends to perform a daily flushing practice (30-seconds) for the fixtures (i.e., DF10 and DF11) with a first draw lead sample result of 0.005 mg/L or greater.

Although these results indicate no exceedance of the lead action level (0.015 mg/L) in the school drinking water, LDH recommends that all schools follow the guidance provided in the EPA-3Ts manual to safeguard against lead in the drinking water. The EPA-3Ts manual was developed to assist schools with lead in drinking water prevention programs. This guidance is intended for use by school officials responsible for the maintenance and/or safety of school's drinking water. This document along with other helpful information is available for on EPA's website at: <https://www.epa.gov/ground-water-and-drinking-water/3ts-reducing-lead-drinking-water>.

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E. K. Key Elementary School (SCH010030)

Please notify this office of any control or remediation measures taken by the school. LDH will perform follow up sampling to confirm the corrective actions were effective.

Please feel free to contact me or Caryn Benjamin regarding any of the enclosed information.

Sincerely,



Amanda Ames, P.E.
Chief Engineer and Safe Drinking Water Administrator, LDH

Attachments

cc: Beth Hooper Principal, E. K. Key Elementary School

Sample Results Summary

E. K. Key Elementary School (SCH010030) Sample date 9/2/2021		Lead (mg/L) AL = 0.015 mg/L		Copper (mg/L) AL = 1.3 mg/L	
Sample Point Description and ID		First Draw	After Flush	First Draw	After Flush
BOTTLE FILLER, NEAR RM 134	BF01	ND	ND	ND	ND
BOTTLE FILLER, NEAR STEM LAB	BF02	ND	ND	0.2	0.1
TANK FOUNTAIN, NEAR RM 13	DF01	0.001	ND	0.5	0.2
TANK FOUNTAIN, RM 15-A	DF03	ND	ND	1	0.6
TANK FOUNTAIN, NEAR LOUNGE	DF05	0.001	ND	2.1	0.4
TANK FOUNTAIN, MAIN HALL	DF06	0.002	0.003	0.5	0.7
TANK FOUNTAIN, NEAR RM 9	DF07	0.003	0.004	0.7	0.4
SINK BUBBLER, RM 2	DF10	0.009	0.003	1	0.6
SINK BUBBLER, RM 1	DF11	0.007	0.002	0.9	0.5
TANK FOUNTAIN - RIGHT, NEAR RM 6-A	DF13	0.002	ND	2	0.2
TANK FOUNTAIN - RIGHT, ELEVATOR	DF14	ND	ND	0.7	0.2
TILTED SKILLET, CAFETERIA	PF01	ND	ND	0.2	0.8
3-COMPARTMENT SINK, CAFETERIA	SK01	ND	ND	0.4	0.8

"ND" -- Non-Detect - contaminant level is below the Laboratory Report Limit (<0.001 mg/L Lead or <0.1 mg/L Copper)

"AL" -- Action Level - state recommended action level

Drinking Fountains DF02, DF04, DF08, DF09, DF12, DF15, DF16 were not working at time of sampling and therefore were not sampled.



State of Louisiana
Louisiana Department of Health
Public Health Laboratories
1209 Leesville Avenue
Baton Rouge, LA 70802
225-219-5200
<http://www.dhh.la.gov/lab>



September 07, 2021

The following analytical results have been obtained for the indicated sample(s) which was submitted to this laboratory:

Sample Pt. Description:	BOTTLE FILLER, NEAR RM 134	Sample ID:	B2104179-001
Sample Pt ID:	BF01	Sample Type:	Special
PWS ID:	LA1019044	Sample Collector:	Babineaux
Water System Name:	SULPHUR CITY OF WATER SYSTEM	Collection date:	9/2/2021 5:06:00AM
Facility ID:	SCH010030	Lab Submittal date:	9/7/2021 9:00:00AM
Collection Address:	First Draw		

Component Name	Results	Units	Rep. Limit	MCL	Qualifiers
Lead and Copper (200.8)					
Lead	<0.001	mg/L	0.001	0.015	
Copper	<0.1	mg/L	0.1	1.3	

Sample Pt. Description:	BOTTLE FILLER, NEAR STEM LAB	Sample ID:	B2104179-002
Sample Pt ID:	BF02	Sample Type:	Special
PWS ID:	LA1019044	Sample Collector:	Babineaux
Water System Name:	SULPHUR CITY OF WATER SYSTEM	Collection date:	9/2/2021 5:12:00AM
Facility ID:	SCH010030	Lab Submittal date:	9/7/2021 9:00:00AM
Collection Address:	First Draw		

Component Name	Results	Units	Rep. Limit	MCL	Qualifiers
Lead and Copper (200.8)					
Lead	<0.001	mg/L	0.001	0.015	
Copper	0.2	mg/L	0.1	1.3	

Sample Pt. Description:	TANK FOUNTAIN, NEAR RM 13	Sample ID:	B2104179-003
Sample Pt ID:	DF01	Sample Type:	Special
PWS ID:	LA1019044	Sample Collector:	Babineaux
Water System Name:	SULPHUR CITY OF WATER SYSTEM	Collection date:	9/2/2021 5:11:00AM
Facility ID:	SCH010030	Lab Submittal date:	9/7/2021 9:00:00AM
Collection Address:	First Draw		

Component Name	Results	Units	Rep. Limit	MCL	Qualifiers
Lead and Copper (200.8)					
Lead	0.001	mg/L	0.001	0.015	
Copper	0.5	mg/L	0.1	1.3	

Sample Pt. Description:	TANK FOUNTAIN, RM 15-A	Sample ID:	B2104179-004
Sample Pt ID:	DF03	Sample Type:	Special
PWS ID:	LA1019044	Sample Collector:	Babineaux
Water System Name:	SULPHUR CITY OF WATER SYSTEM	Collection date:	9/2/2021 5:17:00AM
Facility ID:	SCH010030	Lab Submittal date:	9/7/2021 9:00:00AM
Collection Address:	First Draw		

Component Name	Results	Units	Rep. Limit	MCL	Qualifiers
Lead and Copper (200.8)					
Lead	<0.001	mg/L	0.001	0.015	
Copper	1.0	mg/L	0.1	1.3	> 1/2 MCL

Sample Pt. Description:	TANK FOUNTAIN, NEAR LOUNGE	Sample ID:	B2104179-005
Sample Pt ID:	DF05	Sample Type:	Special
PWS ID:	LA1019044	Sample Collector:	Babineaux
Water System Name:	SULPHUR CITY OF WATER SYSTEM	Collection date:	9/2/2021 5:15:00AM
Facility ID:	SCH010030	Lab Submittal date:	9/7/2021 9:00:00AM
Collection Address:	First Draw		

Component Name	Results	Units	Rep. Limit	MCL	Qualifiers
Lead and Copper (200.8)					
Lead	0.001	mg/L	0.001	0.015	
Copper	2.1	mg/L	0.1	1.3	> MCL

Sample Pt. Description:	TANK FOUNTAIN, MAIN HALL	Sample ID:	B2104179-006
Sample Pt ID:	DF06	Sample Type:	Special
PWS ID:	LA1019044	Sample Collector:	Babineaux
Water System Name:	SULPHUR CITY OF WATER SYSTEM	Collection date:	9/2/2021 5:12:00AM
Facility ID:	SCH010030	Lab Submittal date:	9/7/2021 9:00:00AM
Collection Address:	First Draw		

Component Name	Results	Units	Rep. Limit	MCL	Qualifiers
Lead and Copper (200.8)					
Lead	0.002	mg/L	0.001	0.015	
Copper	0.5	mg/L	0.1	1.3	

Sample Pt. Description:	TANK FOUNTAIN, NEAR RM 9	Sample ID:	B2104179-007
Sample Pt ID:	DF07	Sample Type:	Special
PWS ID:	LA1019044	Sample Collector:	Babineaux
Water System Name:	SULPHUR CITY OF WATER SYSTEM	Collection date:	9/2/2021 5:14:00AM
Facility ID:	SCH010030	Lab Submittal date:	9/7/2021 9:00:00AM
Collection Address:	First Draw		

Component Name	Results	Units	Rep. Limit	MCL	Qualifiers
Lead and Copper (200.8)					
Lead	0.003	mg/L	0.001	0.015	
Copper	0.7	mg/L	0.1	1.3	> 1/2 MCL

Sample Pt. Description:	SINK BUBBLER, RM 2	Sample ID:	B2104179-008
Sample Pt ID:	DF10	Sample Type:	Special
PWS ID:	LA1019044	Sample Collector:	Babineaux
Water System Name:	SULPHUR CITY OF WATER SYSTEM	Collection date:	9/2/2021 5:11:00AM
Facility ID:	SCH010030	Lab Submittal date:	9/7/2021 9:00:00AM
Collection Address:	First Draw		

Component Name	Results	Units	Rep. Limit	MCL	Qualifiers
Lead and Copper (200.8)					
Lead	0.009	mg/L	0.001	0.015	> 1/2 MCL
Copper	1.0	mg/L	0.1	1.3	> 1/2 MCL

Sample Pt. Description:	SINK BUBBLER, RM 1	Sample ID:	B2104179-009
Sample Pt ID:	DF11	Sample Type:	Special
PWS ID:	LA1019044	Sample Collector:	Babineaux
Water System Name:	SULPHUR CITY OF WATER SYSTEM	Collection date:	9/2/2021 5:12:00AM
Facility ID:	SCH010030	Lab Submittal date:	9/7/2021 9:00:00AM
Collection Address:	First Draw		

Component Name	Results	Units	Rep. Limit	MCL	Qualifiers
Lead and Copper (200.8)					
Lead	0.007	mg/L	0.001	0.015	
Copper	0.9	mg/L	0.1	1.3	> 1/2 MCL

Sample Pt. Description:	TANK FOUNTAIN - RIGHT, NEAR RM 6-A	Sample ID:	B2104179-010
Sample Pt ID:	DF13	Sample Type:	Special
PWS ID:	LA1019044	Sample Collector:	Babineaux
Water System Name:	SULPHUR CITY OF WATER SYSTEM	Collection date:	9/2/2021 5:09:00AM
Facility ID:	SCH010030	Lab Submittal date:	9/7/2021 9:00:00AM
Collection Address:	First Draw		

Component Name	Results	Units	Rep. Limit	MCL	Qualifiers
Lead and Copper (200.8)					
Lead	0.002	mg/L	0.001	0.015	
Copper	2.0	mg/L	0.1	1.3	> MCL

Sample Pt. Description:	TANK FOUNTAIN - RIGHT, ELEVATOR	Sample ID:	B2104179-011
Sample Pt ID:	DF14	Sample Type:	Special
PWS ID:	LA1019044	Sample Collector:	Babineaux
Water System Name:	SULPHUR CITY OF WATER SYSTEM	Collection date:	9/2/2021 5:07:00AM
Facility ID:	SCH010030	Lab Submittal date:	9/7/2021 9:00:00AM
Collection Address:	First Draw		

Component Name	Results	Units	Rep. Limit	MCL	Qualifiers
Lead and Copper (200.8)					
Lead	<0.001	mg/L	0.001	0.015	
Copper	0.7	mg/L	0.1	1.3	> 1/2 MCL

Sample Pt. Description:	TILTED SKILLET, CAFETERIA	Sample ID:	B2104179-012
Sample Pt ID:	PF01	Sample Type:	Special
PWS ID:	LA1019044	Sample Collector:	Babineaux
Water System Name:	SULPHUR CITY OF WATER SYSTEM	Collection date:	9/2/2021 5:14:00AM
Facility ID:	SCH010030	Lab Submittal date:	9/7/2021 9:00:00AM
Collection Address:	First Draw		

Component Name	Results	Units	Rep. Limit	MCL	Qualifiers
Lead and Copper (200.8)					
Lead	<0.001	mg/L	0.001	0.015	
Copper	0.2	mg/L	0.1	1.3	

Sample Pt. Description:	3-COMPARTMENT SINK, CAFETERIA	Sample ID:	B2104179-013
Sample Pt ID:	SK01	Sample Type:	Special
PWS ID:	LA1019044	Sample Collector:	Babineaux
Water System Name:	SULPHUR CITY OF WATER SYSTEM	Collection date:	9/2/2021 5:15:00AM
Facility ID:	SCH010030	Lab Submittal date:	9/7/2021 9:00:00AM
Collection Address:	First Draw		

Component Name	Results	Units	Rep. Limit	MCL	Qualifiers
Lead and Copper (200.8)					
Lead	<0.001	mg/L	0.001	0.015	
Copper	0.4	mg/L	0.1	1.3	

Sample Pt. Description:	BOTTLE FILLER, NEAR RM 134	Sample ID:	B2104179-014
Sample Pt ID:	BF01	Sample Type:	Special
PWS ID:	LA1019044	Sample Collector:	Babineaux
Water System Name:	SULPHUR CITY OF WATER SYSTEM	Collection date:	9/2/2021 5:34:00AM
Facility ID:	SCH010030	Lab Submittal date:	9/7/2021 9:00:00AM
Collection Address:	After Flush		

Component Name	Results	Units	Rep. Limit	MCL	Qualifiers
Lead and Copper (200.8)					
Lead	<0.001	mg/L	0.001	0.015	
Copper	<0.1	mg/L	0.1	1.3	

Sample Pt. Description:	BOTTLE FILLER, NEAR STEM LAB	Sample ID:	B2104179-015
Sample Pt ID:	BF02	Sample Type:	Special
PWS ID:	LA1019044	Sample Collector:	Babineaux
Water System Name:	SULPHUR CITY OF WATER SYSTEM	Collection date:	9/2/2021 5:34:00AM
Facility ID:	SCH010030	Lab Submittal date:	9/7/2021 9:00:00AM
Collection Address:	After Flush		

Component Name	Results	Units	Rep. Limit	MCL	Qualifiers
Lead and Copper (200.8)					
Lead	<0.001	mg/L	0.001	0.015	
Copper	0.1	mg/L	0.1	1.3	

Sample Pt. Description:	TANK FOUNTAIN, NEAR RM 13	Sample ID:	B2104179-016
Sample Pt ID:	DF01	Sample Type:	Special
PWS ID:	LA1019044	Sample Collector:	Babineaux
Water System Name:	SULPHUR CITY OF WATER SYSTEM	Collection date:	9/2/2021 5:36:00AM
Facility ID:	SCH010030	Lab Submittal date:	9/7/2021 9:00:00AM
Collection Address:	After Flush		

Component Name	Results	Units	Rep. Limit	MCL	Qualifiers
Lead and Copper (200.8)					
Lead	<0.001	mg/L	0.001	0.015	
Copper	0.2	mg/L	0.1	1.3	

Sample Pt. Description:	TANK FOUNTAIN, RM 15-A	Sample ID:	B2104179-017
Sample Pt ID:	DF03	Sample Type:	Special
PWS ID:	LA1019044	Sample Collector:	Babineaux
Water System Name:	SULPHUR CITY OF WATER SYSTEM	Collection date:	9/2/2021 5:33:00AM
Facility ID:	SCH010030	Lab Submittal date:	9/7/2021 9:00:00AM
Collection Address:	After Flush		

Component Name	Results	Units	Rep. Limit	MCL	Qualifiers
Lead and Copper (200.8)					
Lead	<0.001	mg/L	0.001	0.015	
Copper	0.6	mg/L	0.1	1.3	

Sample Pt. Description:	TANK FOUNTAIN, NEAR LOUNGE	Sample ID:	B2104179-018
Sample Pt ID:	DF05	Sample Type:	Special
PWS ID:	LA1019044	Sample Collector:	Babineaux
Water System Name:	SULPHUR CITY OF WATER SYSTEM	Collection date:	9/2/2021 5:51:00AM
Facility ID:	SCH010030	Lab Submittal date:	9/7/2021 9:00:00AM
Collection Address:	After Flush		

Component Name	Results	Units	Rep. Limit	MCL	Qualifiers
Lead and Copper (200.8)					
Lead	<0.001	mg/L	0.001	0.015	
Copper	0.4	mg/L	0.1	1.3	

Sample Pt. Description:	TANK FOUNTAIN, MAIN HALL	Sample ID:	B2104179-019
Sample Pt ID:	DF06	Sample Type:	Special
PWS ID:	LA1019044	Sample Collector:	Babineaux
Water System Name:	SULPHUR CITY OF WATER SYSTEM	Collection date:	9/2/2021 5:52:00AM
Facility ID:	SCH010030	Lab Submittal date:	9/7/2021 9:00:00AM
Collection Address:	After Flush		

Component Name	Results	Units	Rep. Limit	MCL	Qualifiers
Lead and Copper (200.8)					
Lead	0.003	mg/L	0.001	0.015	
Copper	0.7	mg/L	0.1	1.3	> 1/2 MCL

Sample Pt. Description:	TANK FOUNTAIN, NEAR RM 9	Sample ID:	B2104179-020
Sample Pt ID:	DF07	Sample Type:	Special
PWS ID:	LA1019044	Sample Collector:	Babineaux
Water System Name:	SULPHUR CITY OF WATER SYSTEM	Collection date:	9/2/2021 5:36:00AM
Facility ID:	SCH010030	Lab Submittal date:	9/7/2021 9:00:00AM
Collection Address:	After Flush		

Component Name	Results	Units	Rep. Limit	MCL	Qualifiers
Lead and Copper (200.8)					
Lead	0.004	mg/L	0.001	0.015	
Copper	0.4	mg/L	0.1	1.3	

Sample Pt. Description:	SINK BUBBLER, RM 2	Sample ID:	B2104179-021
Sample Pt ID:	DF10	Sample Type:	Special
PWS ID:	LA1019044	Sample Collector:	Babineaux
Water System Name:	SULPHUR CITY OF WATER SYSTEM	Collection date:	9/2/2021 5:18:00AM
Facility ID:	SCH010030	Lab Submittal date:	9/7/2021 9:00:00AM
Collection Address:	After Flush		

Component Name	Results	Units	Rep. Limit	MCL	Qualifiers
Lead and Copper (200.8)					
Lead	0.003	mg/L	0.001	0.015	
Copper	0.6	mg/L	0.1	1.3	

Sample Pt. Description:	SINK BUBBLER, RM 1	Sample ID:	B2104179-022
Sample Pt ID:	DF11	Sample Type:	Special
PWS ID:	LA1019044	Sample Collector:	Babineaux
Water System Name:	SULPHUR CITY OF WATER SYSTEM	Collection date:	9/2/2021 5:20:00AM
Facility ID:	SCH010030	Lab Submittal date:	9/7/2021 9:00:00AM
Collection Address:	After Flush		

Component Name	Results	Units	Rep. Limit	MCL	Qualifiers
Lead and Copper (200.8)					
Lead	0.002	mg/L	0.001	0.015	
Copper	0.5	mg/L	0.1	1.3	

Sample Pt. Description:	TANK FOUNTAIN - RIGHT, NEAR RM 6-A	Sample ID:	B2104179-023
Sample Pt ID:	DF13	Sample Type:	Special
PWS ID:	LA1019044	Sample Collector:	Babineaux
Water System Name:	SULPHUR CITY OF WATER SYSTEM	Collection date:	9/2/2021 5:51:00AM
Facility ID:	SCH010030	Lab Submittal date:	9/7/2021 9:00:00AM
Collection Address:	After Flush		

Component Name	Results	Units	Rep. Limit	MCL	Qualifiers
Lead and Copper (200.8)					
Lead	<0.001	mg/L	0.001	0.015	
Copper	0.2	mg/L	0.1	1.3	

Sample Pt. Description:	TANK FOUNTAIN - RIGHT, ELEVATOR	Sample ID:	B2104179-024
Sample Pt ID:	DF14	Sample Type:	Special
PWS ID:	LA1019044	Sample Collector:	Babineaux
Water System Name:	SULPHUR CITY OF WATER SYSTEM	Collection date:	9/2/2021 5:32:00AM
Facility ID:	SCH010030	Lab Submittal date:	9/7/2021 9:00:00AM
Collection Address:	After Flush		

Component Name	Results	Units	Rep. Limit	MCL	Qualifiers
Lead and Copper (200.8)					
Lead	<0.001	mg/L	0.001	0.015	
Copper	0.2	mg/L	0.1	1.3	

Sample Pt. Description:	TILTED SKILLET, CAFETERIA	Sample ID:	B2104179-025
Sample Pt ID:	PF01	Sample Type:	Special
PWS ID:	LA1019044	Sample Collector:	Babineaux
Water System Name:	SULPHUR CITY OF WATER SYSTEM	Collection date:	9/2/2021 5:19:00AM
Facility ID:	SCH010030	Lab Submittal date:	9/7/2021 9:00:00AM
Collection Address:	After Flush		

Component Name	Results	Units	Rep. Limit	MCL	Qualifiers
Lead and Copper (200.8)					
Lead	<0.001	mg/L	0.001	0.015	
Copper	0.8	mg/L	0.1	1.3	> 1/2 MCL

Sample Pt. Description:	3-COMPARTMENT SINK, CAFETERIA	Sample ID:	B2104179-026
Sample Pt ID:	SK01	Sample Type:	Special
PWS ID:	LA1019044	Sample Collector:	Babineaux
Water System Name:	SULPHUR CITY OF WATER SYSTEM	Collection date:	9/2/2021 5:18:00AM
Facility ID:	SCH010030	Lab Submittal date:	9/7/2021 9:00:00AM
Collection Address:	After Flush		

Component Name	Results	Units	Rep. Limit	MCL	Qualifiers
Lead and Copper (200.8)					
Lead	<0.001	mg/L	0.001	0.015	
Copper	0.8	mg/L	0.1	1.3	> 1/2 MCL

Sample Pt. Description:	502 BARRETT STREET	Sample ID:	B2104179-027
Sample Pt ID:	TCR-076	Sample Type:	Special
PWS ID:	LA1019044	Sample Collector:	Babineaux
Water System Name:	SULPHUR CITY OF WATER SYSTEM	Collection date:	9/2/2021 6:10:00AM
Facility ID:	DS0950	Lab Submittal date:	9/7/2021 9:00:00AM
Collection Address:	Distribution		

Component Name	Results	Units	Rep. Limit	MCL	Qualifiers
Lead and Copper (200.8)					
Lead	<0.001	mg/L	0.001	0.015	
Copper	<0.1	mg/L	0.1	1.3	

Qualifier Key

<u>Qualifier</u>	<u>Description</u>
> 1/2 MCL	Final Result > 1/2 MCL but < MCL
> MCL	Final Result Above MCL

Reviewed by: Aaron Hawkins