



December 18, 2017

Steven Lee
Alameda Unified School District MOF
2060 Challenger Drive
Alameda, CA 94501

transmitted via email to stlee@alameda.k12.ca.us

Re: **Drinking Water Lead Sampling Results**
Alameda Unified School District (AUSD) – Woodstock Charter (NEA/ACLC) School Drinking
Fountains
1900 Third St, Alameda, CA
ACC Project No. 3007-119.00

Dear Mr. Lee:

Enclosed please find the laboratory test results for the drinking water sampling performed at the above-referenced site on December 1, 2017. The sampling was performed to determine lead concentrations in drinking water at drinking fountain locations throughout the school.

The intent of the testing was to collect drinking water samples to determine if lead concentrations at drinking water locations exceed the EPA and California Lead Action Levels. The EPA and State of California Lead Action Levels for lead in drinking water are concentrations exceeding 15 parts per billion (ppb). ACC collected drinking water samples from twenty (20) locations at the school. At each location, ACC collected water samples as “first-draw” and “post-flush” samples. First-draw samples were collected after non-use for a minimum of eight (8) continuous hours. Post-flush samples were collected after running the tap for at least thirty (30) seconds. The samples were collected in 125 milliliter bottles preserved with nitric acid and were submitted under standard chain of custody protocols to Forensic Analytical of Hayward, California, an American Industrial Hygiene Association (AIHA) accredited laboratory, for analysis. Samples were analyzed for lead in accordance with the EPA SM3113B Test Method.

ACC collected a total of 40 drinking water samples at 20 drinking fountain locations for analysis. Copies of the laboratory results are attached.

Drinking Water Sample Results

The water samples were obtained from drinking fountain locations as listed herein. The sample numbers, locations, type of draw and lead concentrations are listed below. ACC collected drinking water samples from the main drinking water sources. Not all water sources were sampled.

AUSD Woodstock Charter NEA/ACLC School Drinking Fountains Water Sampling

1900 Third St, Alameda, CA

December 18, 2017

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Sample Number	Location	Type of Draw	Lead Concentration in Parts Per Billion (PPB)
WS-379-FD	Room 1	First Draw	<5
WS-379-PF		Post-Flush	<5
WS-380-FD	Room 2	First Draw	<5
WS-380-PF		Post-Flush	<5
WS-381-FD	Room 6	First Draw	<5
WS-381-PF		Post-Flush	<5
WS-382-FD	Room 7	First Draw	<5
WS-382-PF		Post-Flush	<5
WS-383-FD	Room 8	First Draw	<5
WS-383-PF		Post-Flush	<5
WS-384-FD	South Boys Restroom	First Draw	<5
WS-384-PF		Post-Flush	<5
WS-385-FD	South Walkway by Restrooms	First Draw	<5
WS-385-PF		Post-Flush	<5
WS-386-FD	South Girls Restroom	First Draw	<5
WS-386-PF		Post-Flush	<5
WS-387-FD	Room 9	First Draw	<5
WS-387-PF		Post-Flush	<5
WS-388-FD	Room 11 – Computer Lab	First Draw	13
WS-388-PF		Post-Flush	<5
WS-389-FD	Room 12	First Draw	22
WS-389-PF		Post-Flush	<5
WS-390-FD	Northwest Walkway	First Draw	<5
WS-390-PF		Post-Flush	<5
WS-391-FD	Room 15	First Draw	9
WS-391-PF		Post-Flush	<5
WS-392-FD	Room 16	First Draw	22
WS-392-PF		Post-Flush	<5
WS-393-FD	Room 20	First Draw	<5
WS-393-PF		Post-Flush	<5
WS-394-FD	Room 21	First Draw	8
WS-394-PF		Post-Flush	<5
WS-395-FD	Room 22	First Draw	28
WS-395-PF		Post-Flush	<5
WS-396-FD	Playground North by Room 22	First Draw	<5
WS-396-PF		Post-Flush	<5
WS-397-FD	Playground Southwest	First Draw	<5
WS-397-PF		Post-Flush	<5
WS-398-FD	Health Center Sink (Portable 27)	First Draw	11
WS-398-PF		Post-Flush	<5

Three of the first-draw water sample concentrations at 'Room 12', 'Room 16', and 'Room 22' Drinking Fountain were above the EPA and California Lead Action Level of 15 PPB. When the first-draw and post-flush samples are both elevated this may indicate leaching of lead from the fixture and distribution water lines in the building. When the pre-flush only is elevated, this usually indicates localized corrosion issues within the faucet, fittings and/or connections.

The EPA and California Lead Action Levels are used to protect the public from metals that can adversely affect their health. These laws require water systems to monitor lead levels at the consumers' taps. If Action Levels for lead (15 ppb) are exceeded, installation or modifications to corrosion control treatment is required. In addition, if the action level for lead is exceeded, public notification is required.

Recommendations

Based on the results of the drinking water investigation, ACC makes the following recommendations:

- ACC recommends disconnecting/replacing the fixtures at 'Room 12', 'Room 16', and 'Room 22' Drinking Fountain locations where the first-draw water sampling concentrations exceeded the action level and subsequent re-sampling at these locations.

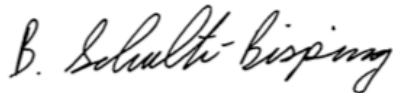
Limitations

ACC shall not be responsible for claims that may arise out of failure to correct problems or to identify problems that may exist at this location. ACC assumes no responsibility for damages for work performed or errors in documentation or missing information. ACC does not guarantee the accuracy of information provided by other parties. All statements and/or recommendations are based on conditions observed and tested at the time of the inspection. The scope of the investigation for this report was to collect representative drinking water samples from several locations at the school. ACC has not investigated and does not possess any opinion regarding other drinking water locations within the building. This report does not intend to identify all hazards or unsafe conditions, or to indicate that other hazards or unsafe conditions do not exist at the subject site.

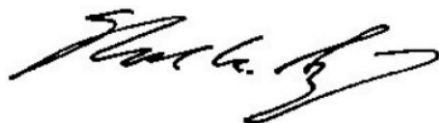
Please contact me at (510) 638-8400 ext. 109 if you have any questions.

Sincerely,

ACC ENVIRONMENTAL CONSULTANTS, INC.



Ben Schulte-Bisping
Project Manager
California Department of Public Health Lead I/A/M #24564



Mark A. Sanchez, CHMM
President
California Department of Public Health Lead I/A/M/S #5150

Attachments: Forensic Analytical Metals Analysis of Drinking Water Report #M192552, dated 12/15/17.

Metals Analysis of Drinking Water

ACC Environmental Consultants

Ben Schulte

7977 Capwell Dr., Suite 100

Oakland, CA 94621

Client ID: 1117

Report Number: M192552

Date Received: 12/04/17

Date Analyzed: 12/15/17

Date Printed: 12/15/17

First Reported: 12/15/17

Job ID / Site: 3007-119.00, Woodstock Charter, Nea Community Learning Center, 1900 3rd St., Alameda

FALI Job ID: 1117-1506

Date(s) Collected: 12/1/17

Total Samples Submitted: 40

Total Samples Analyzed: 40

Sample Number	Lab Number	Analyte	Result	Result Units	Reporting Limit*	Method Reference
WS-379-FD	30787996	Pb	< 5	ppb	5	SM 3113B
WS-379-PF	30787997	Pb	< 5	ppb	5	SM 3113B
WS-380-FD	30787998	Pb	< 5	ppb	5	SM 3113B
WS-380-PF	30787999	Pb	< 5	ppb	5	SM 3113B
WS-381-FD	30788000	Pb	< 5	ppb	5	SM 3113B
WS-381-PF	30788001	Pb	< 5	ppb	5	SM 3113B
WS-382-FD	30788002	Pb	< 5	ppb	5	SM 3113B
WS-382-PF	30788003	Pb	< 5	ppb	5	SM 3113B
WS-383-FD	30788004	Pb	< 5	ppb	5	SM 3113B
WS-383-PF	30788005	Pb	< 5	ppb	5	SM 3113B
WS-384-FD	30788006	Pb	< 5	ppb	5	SM 3113B
WS-384-PF	30788007	Pb	< 5	ppb	5	SM 3113B
WS-385-FD	30788008	Pb	< 5	ppb	5	SM 3113B
WS-385-PF	30788009	Pb	< 5	ppb	5	SM 3113B
WS-386-FD	30788010	Pb	< 5	ppb	5	SM 3113B
WS-386-PF	30788011	Pb	< 5	ppb	5	SM 3113B
WS-387-FD	30788012	Pb	< 5	ppb	5	SM 3113B
WS-387-PF	30788013	Pb	< 5	ppb	5	SM 3113B
WS-388-FD	30788014	Pb	13	ppb	5	SM 3113B
WS-388-PF	30788015	Pb	< 5	ppb	5	SM 3113B
WS-389-FD	30788016	Pb	22	ppb	5	SM 3113B
WS-389-PF	30788017	Pb	< 5	ppb	5	SM 3113B
WS-390-FD	30788018	Pb	< 5	ppb	5	SM 3113B
WS-390-PF	30788019	Pb	< 5	ppb	5	SM 3113B
WS-391-FD	30788020	Pb	9	ppb	5	SM 3113B
WS-391-PF	30788021	Pb	< 5	ppb	5	SM 3113B



Metals Analysis of Drinking Water

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FALI Job ID: 1117-1506

Date(s) Collected: 12/1/17

Total Samples Submitted: 40

Total Samples Analyzed: 40

Sample Number	Lab Number	Analyte	Result	Result Units	Reporting Limit*	Method Reference
WS-392-FD	30788022	Pb	22	ppb	5	SM 3113B
WS-392-PF	30788023	Pb	< 5	ppb	5	SM 3113B
WS-393-FD	30788024	Pb	< 5	ppb	5	SM 3113B
WS-393-PF	30788025	Pb	< 5	ppb	5	SM 3113B
WS-394-FD	30788026	Pb	8	ppb	5	SM 3113B
WS-394-PF	30788027	Pb	< 5	ppb	5	SM 3113B
WS-395-FD	30788028	Pb	28	ppb	5	SM 3113B
WS-395-PF	30788029	Pb	< 5	ppb	5	SM 3113B
WS-396-FD	30788030	Pb	< 5	ppb	5	SM 3113B
WS-396-PF	30788031	Pb	< 5	ppb	5	SM 3113B
WS-397-FD	30788032	Pb	< 5	ppb	5	SM 3113B
WS-397-PF	30788033	Pb	< 5	ppb	5	SM 3113B
WS-398-FD	30788034	Pb	11	ppb	5	SM 3113B
WS-398-PF	30788035	Pb	< 5	ppb	5	SM 3113B

* The Reporting Limit represents the lowest amount of analyte that the laboratory can confidently detect in the sample, and is not a regulatory level. The Units for the Reporting Limit are the same as the Units for the Final Results.

Daniele Siu

Daniele Siu, Laboratory Supervisor, Hayward Laboratory

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Report Results			
Report To:	Ben Schulte-Bisping	Phone:	510-773-0708
Email Address:	bschulte@accenv.com		
Turnaround Time:	5-day		

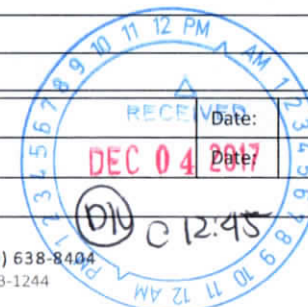


BULK SAMPLE ANALYSIS REQUEST FORM (v2015.12.09)

Project Name:	Woodstock Charter - Nea Community Learning Center		
Project Address:	1900 3rd St, Alameda		Analysis Requested
ACC Project Number:	3007-119.00	<input type="checkbox"/> PLM: Standard	<input type="checkbox"/> TEM: Qualative <input type="checkbox"/> PCB's: (Aroclors Only) <input type="checkbox"/> Bacteria
Collected By:	B. Schulte	Sample Date:	12/1/17 <input type="checkbox"/> PLM: Point Count (400) <input type="checkbox"/> TEM: Quantitive <input type="checkbox"/> PCB's: (Aroclors & Congeners) <input type="checkbox"/> Particulate
Notes/ Comments:	Lead in		<input type="checkbox"/> PLM: Point Count (1000) <input checked="" type="checkbox"/> Lead <input type="checkbox"/> Fungi: Direct Exam <input type="checkbox"/> Other

Material Code	HM Number	Sample Number	Material Description	Sample Location	Size
WS	379	FD	Drinking water sample	Room 1	
WS	379	PF		↓	
WS	380	FD		Room 2	
WS	380	PF		↓	
WS	381	FD		Room 6	
WS	381	PF		↓	
WS	382	FD		Room 7	
WS	382	PF		↓	
WS	383	FD		Room 8	
WS	383	PF		↓	
WS	384	FD		S. Boys Restroom	
WS	384	PF		↓	
WS	385	FD		S. Walkway by Restrooms	
WS	385	PF		↓	
WS	386	FD		S. Girls Restroom	
WS	386	PF		↓	
WS	387	FD		Room 9	
WS	387	PF		↓	
WS	388	FD		Room 11 - Computer Lab	
WS	388	PF		↓	
WS	389	FD		Room 12	
WS	389	PF		↓	

Released By (Name):	B. Schulte	Released By (Signature):		Date:		Time:	
Received By (Name):	S. Hollister	Received By (Signature):	[Signature]	Date:	DEC 04 2017	Time:	
Laboratory Performing Analysis:	Forensic						



Report Results			
Report To:	Ben Schulte-Bisping	Phone:	510-773-0708
Email Address:	bschulte@accenv.com		
Turnaround Time:	5-day		



BULK SAMPLE ANALYSIS REQUEST FORM (v2015.12.09)

Project Name:	Woodstock Charter - Nea CLC		
Project Address:	1900 3rd St, Alameda, CA		
ACC Project Number:	3007-119.00	<input type="checkbox"/> PLM: Standard <input type="checkbox"/> TEM: Qualative <input type="checkbox"/> PCB's: (Aroclors Only) <input type="checkbox"/> Bacteria	
Collected By:	B. Schulte	Sample Date:	12/1/17 <input type="checkbox"/> PLM: Point Count (400) <input type="checkbox"/> TEM: Quantitive <input type="checkbox"/> PCB's: (Aroclors & Congeners) <input type="checkbox"/> Particulate
Notes/ Comments:	Lead in Drinking Water		<input type="checkbox"/> PLM: Point Count (1000) <input checked="" type="checkbox"/> Lead <input type="checkbox"/> Fungi: Direct Exam <input type="checkbox"/> Other

Material Code	HM Number	Sample Number	Material Description	Sample Location	Size
WS	390	FD	Drinking water sample	Nw walkway	
WS	390	PF			
WS	391	FD		Room 15	
WS	391	PF			
WS	392	FD		Room 16	
WS	392	PF			
WS	393	FD		Room 20	
WS	393	PF			
WS	394	FD		Room 21	
WS	394	PF			
WS	395	FD		Room 22	
WS	395	PF			
WS	396	FD		Playground w. by Room 22	
WS	396	PF			
WS	397	FD		Playground Southwest	
WS	397	PF			
WS	398	FD		Health Center Sink (portable 27)	
WS	398	PF			
	399				
	400				

Released By (Name):	B. Schulte	Released By (Signature):		Date:		Time:	
Received By (Name):	S. Hollister	Received By (Signature):	[Signature]	Date:	DEC 04 2017	Time:	
Laboratory Performing Analysis:	Forensic						

