



November 27, 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) –Alameda High School Drinking Fountains**  
**2201 Encinal Blvd, 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 November 4, 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 forty-three (43) 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 86 drinking water samples at 43 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.

Sample Number	Location	Type of Draw	Lead Concentration in Parts Per Billion (PPB)
<b>WS-39-FD</b>	<b>Classroom 110</b>	<b>First Draw</b>	<b>23</b>
WS-39-PF		Post-Flush	<5
WS-40-FD	Classroom 108	First Draw	<5
WS-40-PF		Post-Flush	<5
<b>WS-41-FD</b>	<b>Hallway Outside Health Clerk Room 17</b>	<b>First Draw</b>	<b>40</b>
<b>WS-41-PF</b>		<b>Post-Flush</b>	<b>40</b>
WS-42-FD	Hallway Outside The Counseling Department Entrance (17 – 25)	First Draw	<5
WS-42-PF		Post-Flush	<5
WS-43-FD	Hallway Directly Across From Entrance of The Room 134	First Draw	<5
WS-43-PF		Post-Flush	<5
WS-44-FD	Hallway Outside Health Clerk Room 17	First Draw	<5
WS-44-PF		Post-Flush	<5
WS-45-FD	Room 134	First Draw	<5
WS-45-PF		Post-Flush	<5
WS-46-FD	Room 136	First Draw	<5
WS-46-PF		Post-Flush	<5
WS-47-FD	Room 138	First Draw	<5
WS-47-PF		Post-Flush	6
<b>WS-48-FD</b>	<b>First Floor Bottom of Staircase Adjacent to Room 146</b>	<b>First Draw</b>	<b>60</b>
WS-48-PF		Post-Flush	6
WS-49-FD	Room 142	First Draw	<5
WS-49-PF		Post-Flush	<5
WS-50-FD	Room 149	First Draw	<5
WS-50-PF		Post-Flush	<5
WS-51-FD	Hallway Across From Room 158 Entrance	First Draw	<5
WS-51-PF		Post-Flush	<5
WS-52-FD	Upstairs Adjacent to Room 249	First Draw	<5
WS-52-PF		Post-Flush	<5
WS-53-FD	Room 258	First Draw	<5
WS-53-PF		Post-Flush	<5

Sample Number	Location	Type of Draw	Lead Concentration in Parts Per Billion (PPB)
WS-54-FD	Room 250	First Draw	<5
WS-54-PF		Post-Flush	<5
WS-55-FD	Room 253	First Draw	9
WS-55-PF		Post-Flush	<5
WS-56-FD	Hallway Second Floor Top of Stairs Adjacent to Room 242	First Draw	8
WS-56-PF		Post-Flush	<5
WS-57-FD	Hallway Second Floor Adjacent to Room 235	First Draw	<5
WS-57-PF		Post-Flush	<5
WS-58-FD	Room 229	First Draw	<5
WS-58-PF		Post-Flush	<5
WS-59-FD	Hallway Across From Room 213	First Draw	<5
WS-59-PF		Post-Flush	<5
WS-60-FD	Room 203	First Draw	<5
WS-60-PF		Post-Flush	<5
WS-61-FD	Room 201	First Draw	9
WS-61-PF		Post-Flush	<5
WS-62-FD	Room 406	First Draw	<5
WS-62-PF		Post-Flush	<5
WS-63-FD	Room 401	First Draw	5
WS-63-PF		Post-Flush	<5
WS-64-FD	Hallway Adjacent To R430A Entrance	First Draw	<5
<b>WS-64-PF</b>		<b>Post-Flush</b>	<b>50</b>
WS-65-FD	Room 430B	First Draw	8
WS-65-PF		Post-Flush	<5
WS-66-FD	Adjacent to Room 446 (Outside Entrance), Under Overhang	First Draw	<5
WS-66-PF		Post-Flush	<5
WS-67-FD	Cafeteria	First Draw	<5
WS-67-PF		Post-Flush	<5
WS-68-FD	Hallway Hydration Station Shared Wall with Cafeteria	First Draw	<5
WS-68-PF		Post-Flush	<5

Sample Number	Location	Type of Draw	Lead Concentration in Parts Per Billion (PPB)
WS-69-FD	Hallway Base of Staircase Across the Hall from 633H	First Draw	<5
WS-69-PF		Post-Flush	<5
WS-70-FD	Hallway Adjacent to Room 517 Entrance	First Draw	<5
WS-70-PF		Post-Flush	<5
WS-71-FD	Hallway Directly Across Hall From Room 733 Entrance	First Draw	<5
WS-71-PF		Post-Flush	<5
WS-72-FD	Hallways Directly Across The Hall From Room 707 Entrance	First Draw	<5
WS-72-PF		Post-Flush	<5
WS-73-FD	Hallway Connected To Practice Gym Adjacent To Custodian Room Entrance	First Draw	<5
WS-73-PF		Post-Flush	<5
<b>WS-74-FD</b>	<b>Room 802</b>	<b>First Draw</b>	<b>60</b>
<b>WS-74-PF</b>		<b>Post-Flush</b>	<b>20</b>
WS-75-FD	Main Gym Entry Corridor	First Draw	<5
WS-75-PF		Post-Flush	<5
WS-76-FD	Pool Area Outside Entrance To Women's Locker Room	First Draw	<5
WS-76-PF		Post-Flush	<5
WS-77-FD	Pool Area Outside Entrance To Men's Locker Room	First Draw	<5
WS-77-PF		Post-Flush	<5
WS-78-FD	Pool Area Bleacher Seating Section	First Draw	<5
WS-78-PF		Post-Flush	<5
WS-79-FD	Girls Softball Field Behind Home Plate	First Draw	10
WS-79-PF		Post-Flush	9
WS-80-FD	Main Gym Corridor to Locker Rooms	First Draw	<5
WS-80-PF		Post-Flush	<5
WS-81-FD	Football Field Adjacent to Women's Restroom Entrance	First Draw	<5
WS-81-PF		Post-Flush	<5

Several first-draw and post-flush water sample concentrations 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 locations where the first-draw/post-flush 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 #M191457, dated 11/16/17.

# Metals Analysis of Drinking Water

ACC Environmental Consultants

Ben Schulte Bisping

7977 Capwell Dr., Suite 100

Oakland, CA 94621

**Client ID:** 1117

**Report Number:** M191457

**Date Received:** 11/09/17

**Date Analyzed:** 11/15/17

**Date Printed:** 11/16/17

**First Reported:** 11/16/17

**Job ID / Site:** 3007-119.00, AUSD Water Sampling, Alameda High School, 2201 Encinal Blvd, Alameda

**Date(s) Collected:** 11/4/17

**FALI Job ID:** 1117-1506

**Total Samples Submitted:** 86

**Total Samples Analyzed:** 86

Sample Number	Lab Number	Analyte	Result	Result Units	Reporting Limit*	Method Reference
WS-39-FD	30783912	Pb	23	ppb	5	SM 3113B
WS-39-PF	30783913	Pb	< 5	ppb	5	SM 3113B
WS-40-FD	30783914	Pb	< 5	ppb	5	SM 3113B
WS-40-PF	30783915	Pb	< 5	ppb	5	SM 3113B
WS-41-FD	30783916	Pb	40	ppb	30	SM 3113B
WS-41-PF	30783917	Pb	40	ppb	30	SM 3113B
WS-42-FD	30783918	Pb	< 5	ppb	5	SM 3113B
WS-42-PF	30783919	Pb	< 5	ppb	5	SM 3113B
WS-43-FD	30783920	Pb	< 5	ppb	5	SM 3113B
WS-43-PF	30783921	Pb	< 5	ppb	5	SM 3113B
WS-44-FD	30783922	Pb	< 5	ppb	5	SM 3113B
WS-44-PF	30783923	Pb	< 5	ppb	5	SM 3113B
WS-45-FD	30783924	Pb	< 5	ppb	5	SM 3113B
WS-45-PF	30783925	Pb	< 5	ppb	5	SM 3113B
WS-46-FD	30783926	Pb	< 5	ppb	5	SM 3113B
WS-46-PF	30783927	Pb	< 5	ppb	5	SM 3113B
WS-47-FD	30783928	Pb	< 5	ppb	5	SM 3113B
WS-47-PF	30783929	Pb	6	ppb	5	SM 3113B
WS-48-FD	30783930	Pb	60	ppb	30	SM 3113B
WS-48-PF	30783931	Pb	6	ppb	5	SM 3113B
WS-49-FD	30783932	Pb	< 5	ppb	5	SM 3113B
WS-49-PF	30783933	Pb	< 5	ppb	5	SM 3113B
WS-50-FD	30783934	Pb	< 5	ppb	5	SM 3113B
WS-50-PF	30783935	Pb	< 5	ppb	5	SM 3113B
WS-51-FD	30783936	Pb	< 5	ppb	5	SM 3113B
WS-51-PF	30783937	Pb	< 5	ppb	5	SM 3113B

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**Job ID / Site:** 3007-119.00, AUSD Water Sampling, Alameda High School, 2201 Encinal Blvd, Alameda

**FALI Job ID:** 1117-1506

**Date(s) Collected:** 11/4/17

**Total Samples Submitted:** 86

**Total Samples Analyzed:** 86

Sample Number	Lab Number	Analyte	Result	Result Units	Reporting Limit*	Method Reference
WS-52-FD	30783938	Pb	< 5	ppb	5	SM 3113B
WS-52-PF	30783939	Pb	< 5	ppb	5	SM 3113B
WS-53-FD	30783940	Pb	< 5	ppb	5	SM 3113B
WS-53-PF	30783941	Pb	< 5	ppb	5	SM 3113B
WS-54-FD	30783942	Pb	< 5	ppb	5	SM 3113B
WS-54-PF	30783943	Pb	< 5	ppb	5	SM 3113B
WS-55-FD	30783944	Pb	9	ppb	5	SM 3113B
WS-55-PF	30783945	Pb	< 5	ppb	5	SM 3113B
WS-56-FD	30783946	Pb	8	ppb	5	SM 3113B
WS-56-PF	30783947	Pb	< 5	ppb	5	SM 3113B
WS-57-FD	30783948	Pb	< 5	ppb	5	SM 3113B
WS-57-PF	30783949	Pb	< 5	ppb	5	SM 3113B
WS-58-FD	30783950	Pb	< 5	ppb	5	SM 3113B
WS-58-PF	30783951	Pb	< 5	ppb	5	SM 3113B
WS-59-FD	30783952	Pb	< 5	ppb	5	SM 3113B
WS-59-PF	30783953	Pb	< 5	ppb	5	SM 3113B
WS-60-FD	30783954	Pb	< 5	ppb	5	SM 3113B
WS-60-PF	30783955	Pb	< 5	ppb	5	SM 3113B
WS-61-FD	30783956	Pb	9	ppb	5	SM 3113B
WS-61-PF	30783957	Pb	< 5	ppb	5	SM 3113B
WS-62-FD	30783958	Pb	< 5	ppb	5	SM 3113B
WS-62-PF	30783959	Pb	< 5	ppb	5	SM 3113B
WS-63-FD	30783960	Pb	5	ppb	5	SM 3113B
WS-63-PF	30783961	Pb	< 5	ppb	5	SM 3113B
WS-64-FD	30783962	Pb	< 5	ppb	5	SM 3113B
WS-64-PF	30783963	Pb	50	ppb	30	SM 3113B

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**FALI Job ID:** 1117-1506

**Date(s) Collected:** 11/4/17

**Total Samples Submitted:** 86

**Total Samples Analyzed:** 86

Sample Number	Lab Number	Analyte	Result	Result Units	Reporting Limit*	Method Reference
WS-65-FD	30783964	Pb	8	ppb	5	SM 3113B
WS-65-PF	30783965	Pb	< 5	ppb	5	SM 3113B
WS-66-FD	30783966	Pb	< 5	ppb	5	SM 3113B
WS-66-PF	30783967	Pb	< 5	ppb	5	SM 3113B
WS-67-FD	30783968	Pb	< 5	ppb	5	SM 3113B
WS-67-PF	30783969	Pb	< 5	ppb	5	SM 3113B
WS-68-FD	30783970	Pb	< 5	ppb	5	SM 3113B
WS-68-PF	30783971	Pb	< 5	ppb	5	SM 3113B
WS-69-FD	30783972	Pb	< 5	ppb	5	SM 3113B
WS-69-PF	30783973	Pb	< 5	ppb	5	SM 3113B
WS-70-FD	30783974	Pb	< 5	ppb	5	SM 3113B
WS-70-PF	30783975	Pb	< 5	ppb	5	SM 3113B
WS-71-FD	30783976	Pb	< 5	ppb	5	SM 3113B
WS-71-PF	30783977	Pb	< 5	ppb	5	SM 3113B
WS-72-FD	30783978	Pb	< 5	ppb	5	SM 3113B
WS-72-PF	30783979	Pb	< 5	ppb	5	SM 3113B
WS-73-FD	30783980	Pb	< 5	ppb	5	SM 3113B
WS-73-PF	30783981	Pb	< 5	ppb	5	SM 3113B
WS-74-FD	30783982	Pb	60	ppb	30	SM 3113B
WS-74-PF	30783983	Pb	20	ppb	5	SM 3113B
WS-75-FD	30783984	Pb	< 5	ppb	5	SM 3113B
WS-75-PF	30783985	Pb	< 5	ppb	5	SM 3113B
WS-76-FD	30783986	Pb	< 5	ppb	5	SM 3113B
WS-76-PF	30783987	Pb	< 5	ppb	5	SM 3113B
WS-77-FD	30783988	Pb	< 5	ppb	5	SM 3113B
WS-77-PF	30783989	Pb	< 5	ppb	5	SM 3113B





## Metals Analysis of Drinking Water

ACC Environmental Consultants

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7977 Capwell Dr., Suite 100

Oakland, CA 94621

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**Job ID / Site:** 3007-119.00, AUSD Water Sampling, Alameda High School, 2201 Encinal Blvd, Alameda

**Date(s) Collected:** 11/4/17

**FALI Job ID:** 1117-1506

**Total Samples Submitted:** 86

**Total Samples Analyzed:** 86

Sample Number	Lab Number	Analyte	Result	Result Units	Reporting Limit*	Method Reference
WS-78-FD	30783990	Pb	< 5	ppb	5	SM 3113B
WS-78-PF	30783991	Pb	< 5	ppb	5	SM 3113B
WS-79-FD	30783992	Pb	10	ppb	5	SM 3113B
WS-79-PF	30783993	Pb	9	ppb	5	SM 3113B
WS-80-FD	30783994	Pb	< 5	ppb	5	SM 3113B
WS-80-PF	30783995	Pb	< 5	ppb	5	SM 3113B
WS-81-FD	30783996	Pb	< 5	ppb	5	SM 3113B
WS-81-PF	30783997	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

Analytical results and reports are generated by Forensic Analytical at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by Forensic Analytical to any third party without prior written request from client. This report applies only to the sample(s) tested. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by Forensic Analytical. The client is solely responsible for the use and interpretation of test results and reports requested from Forensic Analytical. Forensic Analytical is not able to assess the degree of hazard resulting from materials analyzed. Forensic Analytical reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. Any modifications that have been made to referenced test methods are documented in Forensic Analytical's Standard Operating Procedures Manual. Quality control and sample receipt condition were acceptable unless otherwise noted.

# BULK SAMPLE CHAIN-OF-CUSTODY



Report to:	Ben Schulte Bisping	Email:	Bshulte@accenv.com	Phone:	510.773.0708
Project Name:	AUSD Water Sampling				
Project Address:	Alameda High School, 2201 Encinal Blvd, Alameda			Project Number:	3007-119.00
Collected by:	Gus Valerian			Date Collected:	11/4/2017
Sample Analysis:	PLM	<input checked="" type="checkbox"/> Lead	GFAA	Stop at 1 <sup>st</sup> Positive Layer	Turnaround Time: 5 Day
Comments:	ANALYZE WATER SAMPLES FOR LEAD VIA GFAA				
Sample ID	Material Size-Color-Pattern-Material-Post Description	Material Location [Quantity] Building or Floor: Area(s) - Component	Sample Location Area - Component	Size	
WS-39-FD	POTABLE WATER- FIRST DRAW	110	Women's restroom drinking fountain		
WS-39-PF	POTABLE WATER- POST FLUSH	SAME AS ABOVE	SAME AS ABOVE		
WS-40-FD	POTABLE WATER- FIRST DRAW	108	Fountain		
WS-40-PF	POTABLE WATER- POST FLUSH	SAME AS ABOVE	SAME AS ABOVE		
WS-41-FD	POTABLE WATER- FIRST DRAW	Hallway- immediately outside Health clerk room 17	Beige solo fountain		
WS-41-PF	POTABLE WATER- POST FLUSH	SAME AS ABOVE	SAME AS ABOVE		
WS-42-FD	POTABLE WATER- FIRST DRAW	Hallway, immediately outside Counseling department entrance (17-25)	Dual silver right fountain		
WS-42-PF	POTABLE WATER- POST FLUSH	SAME AS ABOVE	SAME AS ABOVE		
WS-43-FD	POTABLE WATER- FIRST DRAW	Hallway, directly across from entrance of Room 134	Dual silver right fountain		
WS-43-PF	POTABLE WATER- POST FLUSH	SAME AS ABOVE	SAME AS ABOVE		
WS-44-FD	POTABLE WATER- FIRST DRAW	111 media processing	Coffee/ tea station silver faucet		
WS-44-PF	POTABLE WATER- POST FLUSH	SAME AS ABOVE	SAME AS ABOVE		
Released:	Signature:		Date:	Time:	
Received:	Signature:		Date:	Time:	
					
EMSL Analytical, Inc. (EMSL): 464 McCormick Street, San Leandro, California 94587, (510) 895-3675					
Lab Info: <input checked="" type="checkbox"/> Forensic Analytical Laboratories, Inc. (FALI): 3777 Depot Road # 409, Hayward, California 94545, (510) 887-8828					

# BULK SAMPLE CHAIN-OF-CUSTODY

Report to:	Ben Schulte Bisping		Email:	Bshulte@accenv.com		Phone:	510.773.0708	
Project Name:	AUSD Water Sampling							
Project Address:	Alameda High School, 2201 Encinal Blvd, Alameda					Project Number:	3007-119.00	
Collected by:	Gus Valerian					Date Collected:	11/4/2017	
Sample Analysis:	PLM	<input checked="" type="checkbox"/> Lead	GFAA	Stop at 1 <sup>st</sup> Positive Layer			Turnaround Time:	5 Day
Comments:	ANALYZE WATER SAMPLES FOR LEAD VIA GFAA							
Sample ID	Material Size-Color-Pattern-Material-Post Description	Material Location [Quantity] Building or Floor: Area(s) - Component	Sample Location Area - Component	Size				
WS-45-FD	POTABLE WATER- FIRST DRAW	134	Fountain					
WS-45-PF	POTABLE WATER- POST FLUSH	SAME AS ABOVE	SAME AS ABOVE					
WS-46-FD	POTABLE WATER- FIRST DRAW	136	Fountain					
WS-46- PF	POTABLE WATER- POST FLUSH	SAME AS ABOVE	SAME AS ABOVE					
WS-47-FD	POTABLE WATER- FIRST DRAW	138	Fountain					
WS-47-PF	POTABLE WATER- POST FLUSH	SAME AS ABOVE	SAME AS ABOVE					
WS-48-FD	POTABLE WATER- FIRST DRAW	1st floor, bottom of staircase, adjacent to Room 146	Beige solo fountain					
WS-48-PF	POTABLE WATER- POST FLUSH	SAME AS ABOVE	SAME AS ABOVE					
WS-49-FD	POTABLE WATER- FIRST DRAW	142	Fountain					
WS-49-PF	POTABLE WATER- POST FLUSH	SAME AS ABOVE	SAME AS ABOVE					
WS-50-FD	POTABLE WATER- FIRST DRAW	149	Fountain					
WS-50-PF	POTABLE WATER- POST FLUSH	SAME AS ABOVE	SAME AS ABOVE					
Released:	Signature:		Date:		Time:			
Received:	Signature:		Date:		Time:			
								
<b>EMSL Analytical, Inc. (EMSL):</b> 464 McCormick Street, San Leandro, California 94577, (510) 895-3675								
<b>Lab Info:</b> <input checked="" type="checkbox"/> <b>Forensic Analytical Laboratories, Inc. (FALI):</b> 3777 Depot Road # 409, Hayward, California 94545, (510) 887-8828								

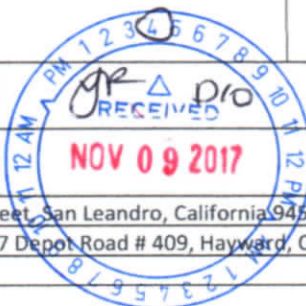
# BULK SAMPLE CHAIN-OF-CUSTODY

Report to:	Ben Schulte Bisping		Email:	Bshulte@accenv.com		Phone:	510.773.0708	
Project Name:	AUSD Water Sampling							
Project Address:	Alameda High School, 2201 Encinal Blvd, Alameda					Project Number:	3007-119.00	
Collected by:	Gus Valerian					Date Collected:	11/4/2017	
Sample Analysis:	PLM	✓ Lead	GFAA	Stop at 1 <sup>st</sup> Positive Layer			Turnaround Time:	5 Day
Comments:	ANALYZE WATER SAMPLES FOR LEAD VIA GFAA							
Sample ID	Material Size-Color-Pattern-Material-Post Description	Material Location [Quantity] Building or Floor: Area(s) - Component	Sample Location Area - Component	Size				
WS-51-FD	POTABLE WATER- FIRST DRAW	Hallway, across from room 158 entrance	Dual silver left fountain					
WS-51-PF	POTABLE WATER- POST FLUSH	SAME AS ABOVE	SAME AS ABOVE					
WS-52-FD	POTABLE WATER- FIRST DRAW	Upstairs , adjacent to room 249	Hydration station					
WS-52-PF	POTABLE WATER- POST FLUSH	SAME AS ABOVE	SAME AS ABOVE					
WS-53-FD	POTABLE WATER- FIRST DRAW	258	Fountain					
WS-53-PF	POTABLE WATER- POST FLUSH	SAME AS ABOVE	SAME AS ABOVE					
WS-54-FD	POTABLE WATER- FIRST DRAW	250	Fountain					
WS-54-PF	POTABLE WATER- POST FLUSH	SAME AS ABOVE	SAME AS ABOVE					
WS-55-FD	POTABLE WATER- FIRST DRAW	253	Fountain					
WS-55-PF	POTABLE WATER- POST FLUSH	SAME AS ABOVE	SAME AS ABOVE					
WS-56-FD	POTABLE WATER- FIRST DRAW	Hallway, 2nd floor top of stairs, adjacent to room 242	Beige solo fountain					
WS-56-PF	POTABLE WATER- POST FLUSH	SAME AS ABOVE	SAME AS ABOVE					
Released:	Signature:		Date:		Time:			
Received:	Signature:		Date:		Time:			
								
<b>EMSL Analytical, Inc. (EMSL):</b> 464 McCormick Street, San Leandro, California 94577, (510) 895-3675 <b>Lab Info:</b> ✓ <b>Forensic Analytical Laboratories, Inc. (FALI):</b> 3777 Depot Road # 409, Hayward, California 94545, (510) 887-8828								



# BULK SAMPLE CHAIN-OF-CUSTODY

Report to:	Ben Schulte Bisping	Email:	Bshulte@accenv.com	Phone:	510.773.0708
Project Name:	AUSD Water Sampling				
Project Address:	Alameda High School, 2201 Encinal Blvd, Alameda			Project Number:	3007-119.00
Collected by:	Gus Valerian			Date Collected:	11/4/2017
Sample Analysis:	PLM	<input checked="" type="checkbox"/> Lead	GFAA	Stop at 1 <sup>st</sup> Positive Layer	Turnaround Time: 5 Day
Comments:	ANALYZE WATER SAMPLES FOR LEAD VIA GFAA				
Sample ID	Material Size-Color-Pattern-Material-Post Description	Material Location [Quantity] Building or Floor: Area(s) - Component	Sample Location Area - Component	Size	
WS-57-FD	POTABLE WATER- FIRST DRAW	Hallway 2nd floor, adjacent to room 235	Dual silver right fountain		
WS-57-PF	POTABLE WATER- POST FLUSH	SAME AS ABOVE	SAME AS ABOVE		
WS-58-FD	POTABLE WATER- FIRST DRAW	229	Fountain		
WS-58-PF	POTABLE WATER- POST FLUSH	SAME AS ABOVE	SAME AS ABOVE		
WS-59-FD	POTABLE WATER- FIRST DRAW	Hallway, directly across from room 213	Dual silver right fountain		
WS-59-PF	POTABLE WATER- POST FLUSH	SAME AS ABOVE	SAME AS ABOVE		
WS-60-FD	POTABLE WATER- FIRST DRAW	203	Fountain		
WS-60-PF	POTABLE WATER- POST FLUSH	SAME AS ABOVE	SAME AS ABOVE		
WS-61-FD	POTABLE WATER- FIRST DRAW	201	Fountain		
WS-61-PF	POTABLE WATER- POST FLUSH	SAME AS ABOVE	SAME AS ABOVE		
WS-62-FD	POTABLE WATER- FIRST DRAW	406	Fountain		
WS-62-PF	POTABLE WATER- POST FLUSH	SAME AS ABOVE	SAME AS ABOVE		
Released:	Signature:		Date:	Time:	
Received:	Signature:		Date:	Time:	
<b>EMSL Analytical, Inc. (EMSL):</b> 464 McCormick Street, San Leandro, California 94577, (510) 895-3675 <b>Lab Info:</b> <input checked="" type="checkbox"/> <b>Forensic Analytical Laboratories, Inc. (FALI):</b> 3777 Depot Road # 409, Hayward, California 94545, (510) 887-8828					



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Collected by:	Gus Valerian			Date Collected:	11/4/2017
Sample Analysis:	PLM	<input checked="" type="checkbox"/> Lead	GFAA	Stop at 1 <sup>st</sup> Positive Layer	Turnaround Time: 5 Day
Comments:	ANALYZE WATER SAMPLES FOR LEAD VIA GFAA				
Sample ID	Material Size-Color-Pattern-Material-Post Description	Material Location [Quantity] Building or Floor: Area(s) - Component	Sample Location Area - Component	Size	
WS-63-FD	POTABLE WATER- FIRST DRAW	401	Fountain		
WS-63-PF	POTABLE WATER- POST FLUSH	SAME AS ABOVE	SAME AS ABOVE		
WS-64-FD	POTABLE WATER- FIRST DRAW	Hallway, Adjacent to R430A entrance	Dual silver right fountain		
WS-64-PF	POTABLE WATER- POST FLUSH	SAME AS ABOVE	SAME AS ABOVE		
WS-65-FD	POTABLE WATER- FIRST DRAW	430B	Fountain		
WS-65-PF	POTABLE WATER- POST FLUSH	SAME AS ABOVE	SAME AS ABOVE		
WS-66-FD	POTABLE WATER- FIRST DRAW	Adjacent to Room 446 (outside entrance), under overhang	Dual Beige right Fountain		
WS-66-PF	POTABLE WATER- POST FLUSH	SAME AS ABOVE	SAME AS ABOVE		
WS-67-FD	POTABLE WATER- FIRST DRAW	Cafeteria	Dual White right fountain		
WS-67-PF	POTABLE WATER- POST FLUSH	SAME AS ABOVE	SAME AS ABOVE		
WS-68-FD	POTABLE WATER- FIRST DRAW	Hallway hydration station, shared wall with Cafeteria	Hydration station		
WS-68-PF	POTABLE WATER- POST FLUSH	SAME AS ABOVE	SAME AS ABOVE		
Released:	Signature:		Date:	Time:	
Received:	Signature:		Date:	Time:	
					
<b>EMSL Analytical, Inc. (EMSL):</b> 464 McCormick Street, San Leandro, California 94577, (510) 895-3675 <b>Lab Info:</b> <input checked="" type="checkbox"/> <b>Forensic Analytical Laboratories, Inc. (FALI):</b> 3777 Depot Road # 409, Hayward, California 94545, (510) 887-8828					

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Report to:	Ben Schulte Bisping	Email:	Bshulte@accenv.com	Phone:	510.773.0708
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Project Address:	Alameda High School. 2201 Encinal Blvd, Alameda			Project Number:	3007-119.00
Collected by:	Gus Valerian			Date Collected:	11/4/2017
Sample Analysis:	PLM	<input checked="" type="checkbox"/> Lead	GFAA	Stop at 1 <sup>st</sup> Positive Layer	Turnaround Time: 5 Day
Comments:	ANALYZE WATER SAMPLES FOR LEAD VIA GFAA				
Sample ID	Material Size-Color-Pattern-Material-Post Description	Material Location [Quantity] Building or Floor: Area(s) - Component	Sample Location Area - Component	Size	
WS-69-FD	POTABLE WATER- FIRST DRAW	Hallway , base of staircase, across hall from 633H	Solo silver fountain		
WS-69-PF	POTABLE WATER- POST FLUSH	SAME AS ABOVE	SAME AS ABOVE		
WS-70-FD	POTABLE WATER- FIRST DRAW	Hallway, adjacent to Room 517 entrance	Solo silver fountain		
WS-70-PF	POTABLE WATER- POST FLUSH	SAME AS ABOVE	SAME AS ABOVE		
WS-71-FD	POTABLE WATER- FIRST DRAW	Hallway, directly across hall from Room 733 entrance	Solo silver fountain		
WS-71-PF	POTABLE WATER- POST FLUSH	SAME AS ABOVE	SAME AS ABOVE		
WS-72-FD	POTABLE WATER- FIRST DRAW	Hallway, directly across hall from room 707 entrance	Solo White fountain		
WS-72-PF	POTABLE WATER- POST FLUSH	SAME AS ABOVE	SAME AS ABOVE		
WS-73-FD	POTABLE WATER- FIRST DRAW	Hallway connected to practice gym adjacent to custodian room entrance	Solo white fountain		
WS-73-PF	POTABLE WATER- POST FLUSH	SAME AS ABOVE	SAME AS ABOVE		
WS-74-FD	POTABLE WATER- FIRST DRAW	802	Fountain		
WS-74-PF	POTABLE WATER- POST FLUSH	SAME AS ABOVE	SAME AS ABOVE		
Released:	Signature:		Date:	Time:	
Received:	Signature:		Date:	Time:	
					
<b>EMSL Analytical, Inc. (EMSL):</b> 464 McCormick Street, San Leandro, California 94577, (510) 895-3675					
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Project Name:	AUSD Water Sampling							
Project Address:	Alameda High School. 2201 Encinal Blvd, Alameda					Project Number:	3007-119.00	
Collected by:	Gus Valerian					Date Collected:	11/4/2017	
Sample Analysis:	PLM	✓ Lead	GFAA	Stop at 1 <sup>st</sup> Positive Layer			Turnaround Time:	5 Day
Comments:	ANALYZE WATER SAMPLES FOR LEAD VIA GFAA							
Sample ID	Material Size-Color-Pattern-Material-Post Description	Material Location [Quantity] Building or Floor: Area(s) - Component	Sample Location Area - Component	Size				
WS-75-FD	POTABLE WATER- FIRST DRAW	Main gym entry corridor	Side by side silver fountain, right fountain					
WS-75-PF	POTABLE WATER- POST FLUSH	SAME AS ABOVE	SAME AS ABOVE					
WS-76-FD	POTABLE WATER- FIRST DRAW	Pool area, outside entrance to women's locker room	Solo white fountain					
WS-76-PF	POTABLE WATER- POST FLUSH	SAME AS ABOVE	SAME AS ABOVE					
WS-77-FD	POTABLE WATER- FIRST DRAW	Pool area, outside entrance to men's locker room	Solo white fountain					
WS-77-PF	POTABLE WATER- POST FLUSH	SAME AS ABOVE	SAME AS ABOVE					
WS-78-FD	POTABLE WATER- FIRST DRAW	Pool area bleacher seating section	Stand alone silver fountain					
WS-78-PF	POTABLE WATER- POST FLUSH	SAME AS ABOVE	SAME AS ABOVE Note: rust colored tint on PF only					
WS-79-FD	POTABLE WATER- FIRST DRAW	Girls softball field, behind homeplate	Dual peopled fountain s, left side					
WS-79-PF	POTABLE WATER- POST FLUSH	SAME AS ABOVE	SAME AS ABOVE					
WS-80-FD	POTABLE WATER- FIRST DRAW	Main gym corridor to locker rooms	Hydration station					
WS-80-PF	POTABLE WATER- POST FLUSH	SAME AS ABOVE	SAME AS ABOVE					
Released:	Signature:		Date:		Time:			
Received:	Signature:		Date:		Time:			
<b>EMSL Analytical, Inc. (EMSL): 464 McCormick Street, San Leandro, California 94577, (510) 895-3675</b> <b>Lab Info: ✓ Forensic Analytical Laboratories, Inc. (FALI): 3777 Depot Road # 409, Hayward, California 94545, (510) 887-8828</b>								





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Project Name:	AUSD Water Sampling							
Project Address:	Alameda High School. 2201 Encinal Blvd, Alameda					Project Number:	3007-119.00	
Collected by:	Gus Valerian					Date Collected:	11/4.2017	
Sample Analysis:	PLM	<input checked="" type="checkbox"/> Lead	GFAA	Stop at 1 <sup>st</sup> Positive Layer		Turnaround Time:	5 Day	
Comments:	ANALYZE WATER SAMPLES FOR LEAD VIA GFAA							
Sample ID	Material Size-Color-Pattern-Material-Post Description	Material Location [Quantity] Building or Floor: Area(s) - Component		Sample Location Area - Component		Size		
WS-81-FD	POTABLE WATER- FIRST DRAW	Football field, adjacent to women's restroom entrance		Side by side White fountains, right side				
WS-81-PF	POTABLE WATER- POST FLUSH	SAME AS ABOVE		SAME AS ABOVE				
Released:	Signature:				Date:	Time:		
Received:	Signature:				Date:	Time:		
<b>EMSL Analytical, Inc. (EMSL):</b> 464 McCormick Street, San Leandro, California 94577, (510) 895-3675 <b>Lab Info:</b> <input checked="" type="checkbox"/> <b>Forensic Analytical Laboratories, Inc. (FAL):</b> 3777 Depot Road # 409, Hayward, California 94545, (510) 887-8828								