Pasadena Unified School District

Jackson Elementary School

2017 Drinking Water Lead Testing Records

Pasadena Water & Power collected ten water samples from five locations at Jackson Elementary School on October 10, 2017. Weck Laboratories analyzed the samples and issued its final report on October 31, 2017.

Results: All ten samples were reported as ND, meaning lead was not detected at or above the laboratory reporting limit of 5 parts per billion (ppb). ND does not mean zero lead.

The sampling locations were the fountain outside the cafeteria, the kitchen filtered faucet, the playground fountain next to the girls restroom, the teachers lounge sink near Room A116, and the kindergarten fountain outside K2 near the library.

Documents included

Sampling plan and location map | pages 2 to 8

Complete laboratory report | pages 9 to 14

Sampling location photographs | pages 15 to 16

Select a document above to jump to it. Laboratory results are on pages 11 and 12 of this packet.

These records document the locations and conditions sampled in October 2017. They do not represent testing of every outlet or current water conditions. Separate preschool testing is not included in this 2017 packet.

Pasadena Water & Power and Jackson Elementary School Lead Sampling Plan

Water System Name: Pasadena Water & Power

Water System Number:1910124

School Name:___Jackson Elementary School_____

School Address:__539 W. Woodbury Rd, Altadena, CA 91001-5464_____

Meeting Date:_____

PWP Representative:



Myriam Cardenas
Principal Chemist

Pasadena Unified School District Representative:

_____
Signature & Date

_____
Print Name

Sample Recordkeeping Form

Sample No. 1

Name of Building: B-Building/1st Floor

Location Description: Outside Cafeteria – on Playground

Type of Outlet: Outside Fountain/Upper

Sample I.D.: 1910124-ACA-A

Each Sample I.D. should use the following format: <Water System No.>-<School ID>-<Sample ID> i.e. 1710001-005-1.

(circle sample type) (Initial) 1st Follow-up 2nd Follow-up

Post-corrective action

Date & Time Last Used: _____

Date Sample Collected: _____

Time Sample Collected: _____

Name of Sample Collector: _____

(circle collector type) Water System Operator (Water System Representative)

Contractor

Lead Concentration (ppb): _____

NOTES: Two initial samples were collected JAES-1-A and JAES-1-B on the same day. A was collected first and immediately after, B was collected. No water flushed between samples. Sample ID 1910124-ACA-A corresponds to JAES-1-A. Sample ID 1910124-ACA-AX corresponds to JAES-1-B.



Sample Recordkeeping Form

Sample No. 2

Name of Building: B-Building/1st Floor

Location Description: Kitchen

Type of Outlet: Filtered Sink Faucet

Sample I.D.: 1910124-ACA-B

Each Sample I.D. should use the following format: <Water System No.>-<School ID>-<Sample ID> i.e. 1710001-005-1.

(circle sample type) (Initial) 1st Follow-up 2nd Follow-up

Post-corrective action

Date & Time Last Used: _____

Date Sample Collected: _____

Time Sample Collected: _____

Name of Sample Collector: _____

(circle collector type) Water System Operator (Water System Representative)

Contractor

Lead Concentration (ppb): _____

NOTES:

Two initial samples were collected
JAES-2-A and JAES-2-B on the same day.
A was collected first and immediately after, B was collected. No water flushed between samples.
Sample ID 1910124-ACA-B corresponds to JAES-2-A.
Sample ID 1910124-ACA-BX corresponds to JAES-2-B.



Sample Recordkeeping Form

Sample No. 3

Name of Building:___A-Building/ist Floor__

Location Description:_Outside Playground/Next to Girls Restroom

Type of Outlet:__Outdoor Fountain/Left Bubbler

Sample I.D.:___1910124-ACA-C

Each Sample I.D. should use the following format: <Water System No.>-<School ID>-<Sample ID> i.e. 1710001-005-1.

(circle sample type) (Initial) 1st Follow-up 2nd Follow-up

Post-corrective action

Date & Time Last Used:_____

Date Sample Collected:_____

Time Sample Collected:_____

Name of Sample Collector:_____

(circle collector type) Water System Operator (Water System Representative)

Contractor

Lead Concentration (ppb):_____

NOTES:

Two initial samples were collected
JAES-3-A and JAES-3-B on the same day.
A was collected first and immediately after, B was collected. No water flushed between samples.
Sample ID 1910124-ACA-C corresponds to JAES-3-A.
Sample ID 1910124-ACA-CX corresponds to JAES-3-B.



Sample Recordkeeping Form

Sample No. 4

Name of Building:___A-Building/1st Floor___

Location Description:_ Teacher's Lounge/ Next to Rm A-116

Type of Outlet:__Sink Faucet__

Sample I.D.:___1910124-ACA-D

Each Sample I.D. should use the following format: <Water System No.>-<School ID>-<Sample ID> i.e. 1710001-005-1.

(circle sample type) (Initial) 1st Follow-up 2nd Follow-up

Post-corrective action

Date & Time Last Used:_____

Date Sample Collected:_____

Time Sample Collected:_____

Name of Sample Collector:_____

(circle collector type) Water System Operator (Water System Representative)

Contractor

Lead Concentration (ppb):_____

NOTES:

Two initial samples were collected
JAES-4-A and JAES-4-B on the same day.
A was collected first and immediately after, B was collected. No water flushed between samples.
Sample ID 1910124-ACA-D corresponds to JAES-4-A.
Sample ID 1910124-ACA-DX corresponds to JAES-4-B.



Sample Recordkeeping Form

Sample No. 5

Name of Building:___A-Building/1st Floor___

Location Description:_Kinder Outside K-2/Next to Library

Type of Outlet:__Outside Fountain/Left Bubbler

Sample I.D.:___1910124-ACA-E

Each Sample I.D. should use the following format: <Water System No.>-<School ID>-<Sample ID> i.e. 1710001-005-1.

(circle sample type) (Initial) 1st Follow-up 2nd Follow-up

Post-corrective action

Date & Time Last Used:_____

Date Sample Collected:_____

Time Sample Collected:_____

Name of Sample Collector:_____

(circle collector type) Water System Operator (Water System Representative)

Contractor

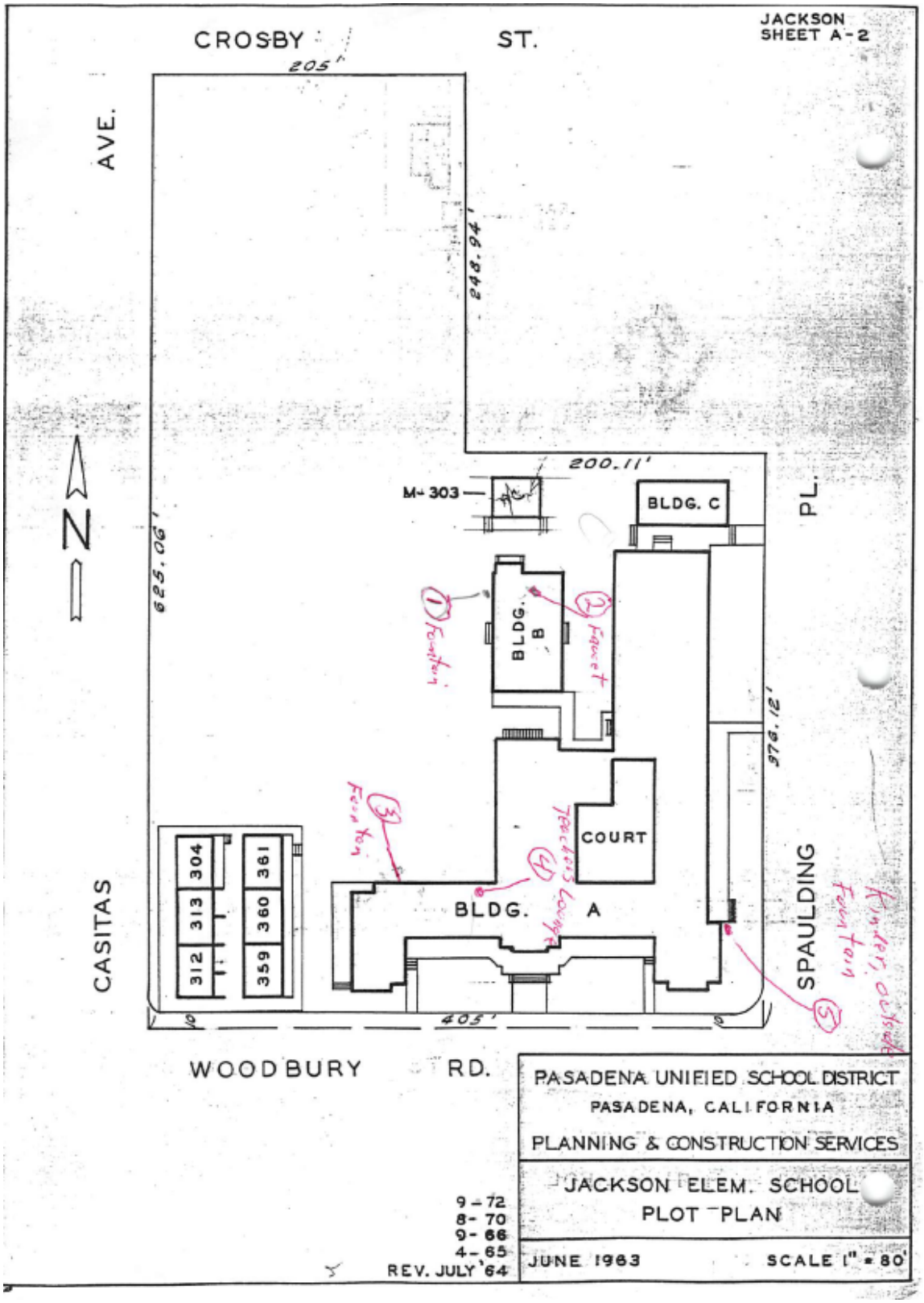
Lead Concentration (ppb):_____

NOTES:

Two initial samples were collected
JAES-5-A and JAES-5-B on the same day.
A was collected first and immediately after, B was collected. No water flushed between samples.
Sample ID 1910124-ACA-E corresponds to JAES-5-A.
Sample ID 1910124-ACA-EX corresponds to JAES-5-B.



Sample Location Map



WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

Work Orders:	7J12055	**Report Date:**	10/31/2017
		Received Date:	10/12/2017
Project:	Lead Testing	**Turnaround Time:**	Normal
		Phones:	(626) 744-7910
		Fax:	-
Attn:	Mercedes Acevedo	**P.O. #:**	1180024-00
Client:	Pasadena Water & Power 245 West Mountain Pasadena, CA 91101	**Billing Code:**	

DoD-ELAP #L2457 ● ELAP-CA #1132 ● EPA-UCMR #CA00211 ● Guam-EPA #17-008R ● HW-DOH # ● ISO 17025 #L2457.01 ● LACSD #10143 ● NELAP-OR #4047 ● NJ-DEP #CA015

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Dear Mercedes Acevedo,

Enclosed are the results of analyses for samples received 10/12/17 with the Chain-of-Custody document. The samples were received in good condition, at 22.6 °C. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Reviewed by:

Chris Samatmanakit
Project Manager

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Pasadena Water & Power
245 West Mountain
Pasadena, CA 91101

Project Number: Lead Testing

Project Manager: Mercedes Acevedo

Reported:
10/31/2017 10:40

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
1910124-ACA-A/ JAES-1-A, Alias: 1710219, RegID: 1910124-ACA-A	Myriam Cardenas	7J12055-01	Water	10/10/17 06:08	
1910124-ACA-AX/ JAES-1-B, Alias: 1710220	Myriam Cardenas	7J12055-02	Water	10/10/17 06:08	
1910124-ACA-B/ JAES-2-A, Alias: 1710221, RegID: 1910124-ACA-B	Myriam Cardenas	7J12055-03	Water	10/10/17 06:05	
1910124-ACA-BX/ JAES-2-B, Alias: 1710222	Myriam Cardenas	7J12055-04	Water	10/10/17 06:05	
1910124-ACA-C/ JAES-3-A, Alias: 1710223, RegID: 1910124-ACA-C	Myriam Cardenas	7J12055-05	Water	10/10/17 06:15	
1910124-ACA-CX/ JAES-3-B, Alias: 1710224	Myriam Cardenas	7J12055-06	Water	10/10/17 06:15	
1910124-ACA-D/ JAES-4-A, Alias: 1710225, RegID: 1910124-ACA-D	Myriam Cardenas	7J12055-07	Water	10/10/17 06:21	
1910124-ACA-DX/ JAES-4-A, Alias: 1710226	Myriam Cardenas	7J12055-08	Water	10/10/17 06:21	
1910124-ACA-E/ JAES-5-A, Alias: 1710227, RegID: 1910124-ACA-E	Myriam Cardenas	7J12055-09	Water	10/10/17 06:25	
1910124-ACA-EX/ JAES-5-B, Alias: 1710228	Myriam Cardenas	7J12055-10	Water	10/10/17 06:25	

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Project Manager: Mercedes Acevedo

Reported:
10/31/2017 10:40

Sample Results

Sample: 1910124-ACA-A/ JAES-1-A, Alias: 1710219, RegID: 1910124-ACA-A — Sampled: 10/10/17 6:08 by Myriam Cardenas

7J12055-01 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7J0878	**Prepared:** 10/16/17 11:00				**Analyst:** JEA
Lead, Total	ND	5.0	ug/l	1	10/19/17 14:42	

Sample: 1910124-ACA-AX/ JAES-1-B, Alias: 1710220 — Sampled: 10/10/17 6:08 by Myriam Cardenas

7J12055-02 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7J0878	**Prepared:** 10/16/17 11:00				**Analyst:** JEA
Lead, Total	ND	5.0	ug/l	1	10/19/17 14:44	

Sample: 1910124-ACA-B/ JAES-2-A, Alias: 1710221, RegID: 1910124-ACA-B — Sampled: 10/10/17 6:05 by Myriam Cardenas

7J12055-03 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7J0878	**Prepared:** 10/16/17 11:00				**Analyst:** JEA
Lead, Total	ND	5.0	ug/l	1	10/19/17 14:46	

Sample: 1910124-ACA-BX/ JAES-2-B, Alias: 1710222 — Sampled: 10/10/17 6:05 by Myriam Cardenas

7J12055-04 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7J0878	**Prepared:** 10/16/17 11:00				**Analyst:** JEA
Lead, Total	ND	5.0	ug/l	1	10/19/17 14:48	

Sample: 1910124-ACA-C/ JAES-3-A, Alias: 1710223, RegID: 1910124-ACA-C — Sampled: 10/10/17 6:15 by Myriam Cardenas

7J12055-05 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7J0878	**Prepared:** 10/16/17 11:00				**Analyst:** JEA
Lead, Total	ND	5.0	ug/l	1	10/19/17 14:49	

Sample: 1910124-ACA-CX/ JAES-3-B, Alias: 1710224 — Sampled: 10/10/17 6:15 by Myriam Cardenas

7J12055-06 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7J0878	**Prepared:** 10/16/17 11:00				**Analyst:** JEA
Lead, Total	ND	5.0	ug/l	1	10/19/17 14:51	

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Project Number: Lead Testing

Project Manager: Mercedes Acevedo

Reported:
10/31/2017 10:40

Sample Results

(Continued)

Sample: 1910124-ACA-D/ JAES-4-A, Alias: 1710225, RegID: 1910124-ACA-D — Sampled: 10/10/17 6:21 by Myriam Cardenas

7J12055-07 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7J0878	**Prepared:** 10/16/17 11:00				**Analyst:** JEA
Lead, Total	ND	5.0	ug/l	1	10/19/17 16:25	

Sample: 1910124-ACA-DX/ JAES-4-A, Alias: 1710226 — Sampled: 10/10/17 6:21 by Myriam Cardenas

7J12055-08 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7J0878	**Prepared:** 10/16/17 11:00				**Analyst:** JEA
Lead, Total	ND	5.0	ug/l	1	10/19/17 14:55	

Sample: 1910124-ACA-E/ JAES-5-A, Alias: 1710227, RegID: 1910124-ACA-E — Sampled: 10/10/17 6:25 by Myriam Cardenas

7J12055-09 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7J0878	**Prepared:** 10/16/17 11:00				**Analyst:** JEA
Lead, Total	ND	5.0	ug/l	1	10/19/17 14:56	

Sample: 1910124-ACA-EX/ JAES-5-B, Alias: 1710228 — Sampled: 10/10/17 6:25 by Myriam Cardenas

7J12055-10 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7J0878	**Prepared:** 10/16/17 11:00				**Analyst:** JEA
Lead, Total	ND	5.0	ug/l	1	10/19/17 14:58	

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Project Number: Lead Testing

Project Manager: Mercedes Acevedo

Reported:
10/31/2017 10:40

Quality Control Results

Metals by EPA 200 Series Methods

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W7J0878 - EPA 200.8										
Blank (W7J0878-BLK1)				**Prepared: 10/16/17**	**Analyzed: 10/19/17**					
Lead, Total	ND	5.0	ug/l							
LCS (W7J0878-BS1)				**Prepared: 10/16/17**	**Analyzed: 10/19/17**					
Lead, Total	48.4	5.0	ug/l	50.0		97	85-115			
Matrix Spike (W7J0878-MS1)	**Source: 7J12055-01**			**Prepared: 10/16/17**	**Analyzed: 10/19/17**					
Lead, Total	50.0	5.0	ug/l	50.0	0.474	99	70-130			
Matrix Spike (W7J0878-MS2)	**Source: 7J12055-02**			**Prepared: 10/16/17**	**Analyzed: 10/19/17**					
Lead, Total	49.4	5.0	ug/l	50.0	0.761	97	70-130			
Matrix Spike Dup (W7J0878-MSD1)	**Source: 7J12055-01**			**Prepared: 10/16/17**	**Analyzed: 10/19/17**					
Lead, Total	48.8	5.0	ug/l	50.0	0.474	97	70-130	3	30	
Matrix Spike Dup (W7J0878-MSD2)	**Source: 7J12055-02**			**Prepared: 10/16/17**	**Analyzed: 10/19/17**					
Lead, Total	49.3	5.0	ug/l	50.0	0.761	97	70-130	0.07	30	

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Project Number: Lead Testing

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Reported:
10/31/2017 10:40

Notes and Definitions

Item	Definition
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
Dil	Dilution
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
% Rec	Percent Recovery
Source	Sample that was matrix spiked or duplicated.
MDL	Method Detection Limit
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ) and Detection Limit for Reporting (DLR)
MDA	Minimum Detectable Activity
NR	Not Reportable
TIC	Tentatively Identified Compound (TIC) using mass spectrometry. The reported concentration is relative concentration based on the nearest internal standard. If the library search produces no matches at, or above 85%, the compound is reported as unknown.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.
An Absence of Total Coliform meets the drinking water standards as established by the California State Water Resources Control Board (SWRCB)
All results are expressed on wet weight basis unless otherwise specified.
All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS 002.

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SCHOOL NAME: JACKSON ELEM

SAMPLE #1





SAMPLE#2

SAMPLE# 3



SAMPLE# 4



SAMPLE# 5

