Pasadena Unified School District

Aveson Charter - Noyes

2017 Drinking Water Lead Testing Records

This packet brings together the available original laboratory reports and supporting sampling records for this site. See the dated source documents for sample locations, results, reporting limits, and any follow-up testing.

Documents included

Aveson Charter Elementary Lead Results | pages 2-7

Lead-Testing-PWP-Aveson Charter Elementary | pages 8-14

Sampling location photographs | pages 15-16

Select a document above to jump to it. Original reports are reproduced in full; Word and Excel supporting records have been converted to PDF.

Historical records only. These documents describe the samples and conditions recorded in 2017, not every outlet or current water conditions. Separate 2023 preschool testing is not included.

WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

Work Orders:	7I21040	**Report Date:**	10/05/2017
		Received Date:	9/21/2017
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 ● SCAQMD #93LA1006

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 9/21/17 with the Chain-of-Custody document. The samples were received in good condition, at 23.5 °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:
10/05/2017 12:29

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
1910124-ABF-A/ ACES-1-A, Alias: 1709406, RegID: 1910124-ABF-A	Myriam Cardenas	7I21040-01	Water	09/19/17 06:13	
1910124-ABF-AX/ ACES-1-B, Alias: 1709407	Myriam Cardenas	7I21040-02	Water	09/19/17 06:13	
1910124-ABF-B/ ACES-2-A, Alias: 1709408, RegID: 1910124-ABF-B	Myriam Cardenas	7I21040-03	Water	09/19/17 06:15	
1910124-ABF-BX/ ACES-2-B, Alias: 1709409	Myriam Cardenas	7I21040-04	Water	09/19/17 06:15	
1910124-ABF-C/ ACES-3-A, Alias: 1709410, RegID: 1910124-ABF-C	Myriam Cardenas	7I21040-05	Water	09/19/17 06:24	
1910124-ABF-CX/ ACES-3-B, Alias: 1709411	Myriam Cardenas	7I21040-06	Water	09/19/17 06:24	
1910124-ABF-D/ ACES-4-A, Alias: 1709412, RegID: 1910124-ABF-D	Myriam Cardenas	7I21040-07	Water	09/19/17 06:20	
1910124-ABF-DX/ ACES-4-B, Alias: 1709413	Myriam Cardenas	7I21040-08	Water	09/19/17 06:20	
1910124-ABF-E/ ACES-5-A, Alias: 1709414, RegID: 1910124-ABF-E	Myriam Cardenas	7I21040-09	Water	09/19/17 06:03	
1910124-ABF-EX/ ACES-5-B, Alias: 1709415	Myriam Cardenas	7I21040-10	Water	09/19/17 06:03	

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Certificate of Analysis

FINAL REPORT

Pasadena Water & Power
245 West Mountain
Pasadena, CA 91101

Project Number: Lead Testing

Project Manager: Mercedes Acevedo

Reported:
10/05/2017 12:29

Sample Results

Sample: 1910124-ABF-A/ ACES-1-A, Alias: 1709406, RegID: 1910124-ABF-A — Sampled: 09/19/17 6:13 by Myriam Cardenas

7I21040-01 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7I1377	**Prepared:** 09/25/17 08:32				**Analyst:** jck
Lead, Total	ND	5.0	ug/l	1	09/25/17 12:37	

Sample: 1910124-ABF-AX/ ACES-1-B, Alias: 1709407 — Sampled: 09/19/17 6:13 by Myriam Cardenas

7I21040-02 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7I1377	**Prepared:** 09/25/17 08:32				**Analyst:** jck
Lead, Total	ND	5.0	ug/l	1	09/25/17 12:39	

Sample: 1910124-ABF-B/ ACES-2-A, Alias: 1709408, RegID: 1910124-ABF-B — Sampled: 09/19/17 6:15 by Myriam Cardenas

7I21040-03 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7I1377	**Prepared:** 09/25/17 08:32				**Analyst:** jck
Lead, Total	ND	5.0	ug/l	1	09/25/17 12:40	

Sample: 1910124-ABF-BX/ ACES-2-B, Alias: 1709409 — Sampled: 09/19/17 6:15 by Myriam Cardenas

7I21040-04 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7I1377	**Prepared:** 09/25/17 08:32				**Analyst:** jck
Lead, Total	ND	5.0	ug/l	1	09/25/17 12:42	

Sample: 1910124-ABF-C/ ACES-3-A, Alias: 1709410, RegID: 1910124-ABF-C — Sampled: 09/19/17 6:24 by Myriam Cardenas

7I21040-05 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7I1377	**Prepared:** 09/25/17 08:32				**Analyst:** jck
Lead, Total	ND	5.0	ug/l	1	09/25/17 12:44	

Sample: 1910124-ABF-CX/ ACES-3-B, Alias: 1709411 — Sampled: 09/19/17 6:24 by Myriam Cardenas

7I21040-06 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7I1377	**Prepared:** 09/25/17 08:32				**Analyst:** jck
Lead, Total	ND	5.0	ug/l	1	09/25/17 12:46	

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Project Number: Lead Testing

Project Manager: Mercedes Acevedo

Reported:
10/05/2017 12:29

Sample Results

(Continued)

Sample: 1910124-ABF-D/ ACES-4-A, Alias: 1709412, RegID: 1910124-ABF-D — Sampled: 09/19/17 6:20 by Myriam Cardenas

7I21040-07 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7I1377	**Prepared:** 09/25/17 08:32				**Analyst:** jck
Lead, Total	ND	5.0	ug/l	1	09/25/17 12:47	

Sample: 1910124-ABF-DX/ ACES-4-B, Alias: 1709413 — Sampled: 09/19/17 6:20 by Myriam Cardenas

7I21040-08 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7I1377	**Prepared:** 09/25/17 08:32				**Analyst:** jck
Lead, Total	ND	5.0	ug/l	1	09/25/17 12:52	

Sample: 1910124-ABF-E/ ACES-5-A, Alias: 1709414, RegID: 1910124-ABF-E — Sampled: 09/19/17 6:03 by Myriam Cardenas

7I21040-09 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7I1377	**Prepared:** 09/25/17 08:32				**Analyst:** jck
Lead, Total	ND	5.0	ug/l	1	09/25/17 12:54	

Sample: 1910124-ABF-EX/ ACES-5-B, Alias: 1709415 — Sampled: 09/19/17 6:03 by Myriam Cardenas

7I21040-10 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7I1377	**Prepared:** 09/25/17 08:32				**Analyst:** jck
Lead, Total	ND	5.0	ug/l	1	09/25/17 12:56	

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Reported:
10/05/2017 12:29

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: W7I1377 - EPA 200.8										
Blank (W7I1377-BLK1)				**Prepared & Analyzed: 09/25/17**						
Lead, Total	ND	5.0	ug/l							
LCS (W7I1377-BS1)				**Prepared & Analyzed: 09/25/17**						
Lead, Total	49.1	5.0	ug/l	50.0		98	85-115			
Matrix Spike (W7I1377-MS1)	**Source: 7I21021-01**			**Prepared & Analyzed: 09/25/17**						
Lead, Total	47.6	5.0	ug/l	50.0	0.0709	95	70-130			
Matrix Spike (W7I1377-MS2)	**Source: 7I21038-01**			**Prepared & Analyzed: 09/25/17**						
Lead, Total	46.6	5.0	ug/l	50.0	0.0883	93	70-130			
Matrix Spike Dup (W7I1377-MSD1)	**Source: 7I21021-01**			**Prepared & Analyzed: 09/25/17**						
Lead, Total	47.4	5.0	ug/l	50.0	0.0709	95	70-130	0.4	30	
Matrix Spike Dup (W7I1377-MSD2)	**Source: 7I21038-01**			**Prepared & Analyzed: 09/25/17**						
Lead, Total	46.9	5.0	ug/l	50.0	0.0883	94	70-130	0.8	30	

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Reported:
10/05/2017 12:29

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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Pasadena Water & Power and Aveson Charter Elementary School Lead Sampling Plan

Water System Name: Pasadena Water & Power

Water System Number:1910124

School Name:___Aveson Charter Elementary School_____

School Address:__1919 East Pinecrest Dr., Pasadena, CA 91001-2116____

Meeting Date:_____

PWP Representative:

Myriam Cardenas 9/5/17

Myriam Cardenas
Principal Chemist

Pasadena Unified School District Representative:

_____
Signature & Date

_____
Print Name

Sample Recordkeeping Form

Sample No. 1

Name of Building:___A-Building/Level A_____

Location Description:_Nurse's Office – A110_____

Type of Outlet:__Sink Faucet___

Sample I.D.:___1910124-ABF-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:_____

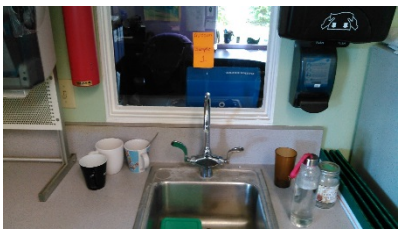
Name of Sample Collector:_____

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

Contractor

Lead Concentration (ppb):_____

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



Sample Recordkeeping Form

Sample No. 2

Name of Building: A-Building/Level A

Location Description: Teacher's Lounge

Type of Outlet: Sink Faucet

Sample I.D.: 1910124-ABF-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
ACES-2-A and ACES-2-B on the same day.
A was collected first and immediately after, B was collected. No water flushed between samples.
Sample ID 1910124-ABF-B corresponds to ACES-2-A.
Sample ID 1910124-ABF-BX corresponds to ACES-2-B.



Sample Recordkeeping Form

Sample No. 3

Name of Building: C-Building/Level C

Location Description: Hallway/ Next to Boy's Restroom

Type of Outlet: Indoor Fountain/Upper

Sample I.D.: 1910124-ABF-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
ACES-3-A and ACES-3-B on the same day.
A was collected first and immediately after, B was collected. No water flushed between samples.
Sample ID 1910124-ABF-C corresponds to ACES-3-A.
Sample ID 1910124-ABF-CX corresponds to ACES-3-B.



Sample Recordkeeping Form

Sample No. 4

Name of Building:___D-Building/Level D_____

Location Description:_ Hallway/ Next to Boy's Restroom_

Type of Outlet:__Indoor Fountain/ Left Bubbler__

Sample I.D.:___1910124-ABF-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
ACES-4-A and ACES-4-B on the same day.
A was collected first and immediately after, B was collected. No water flushed between samples.
Sample ID 1910124-ABF-D corresponds to ACES-4-A.
Sample ID 1910124-ABF-DX corresponds to ACES-4-B.



Sample Recordkeeping Form

Sample No. 5

Name of Building:___Auditorium/Level A____

Location Description:_Kitchen/Next to Auditorium_____

Type of Outlet:__Sink Faucet_____

Sample I.D.:___1910124-ABF-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

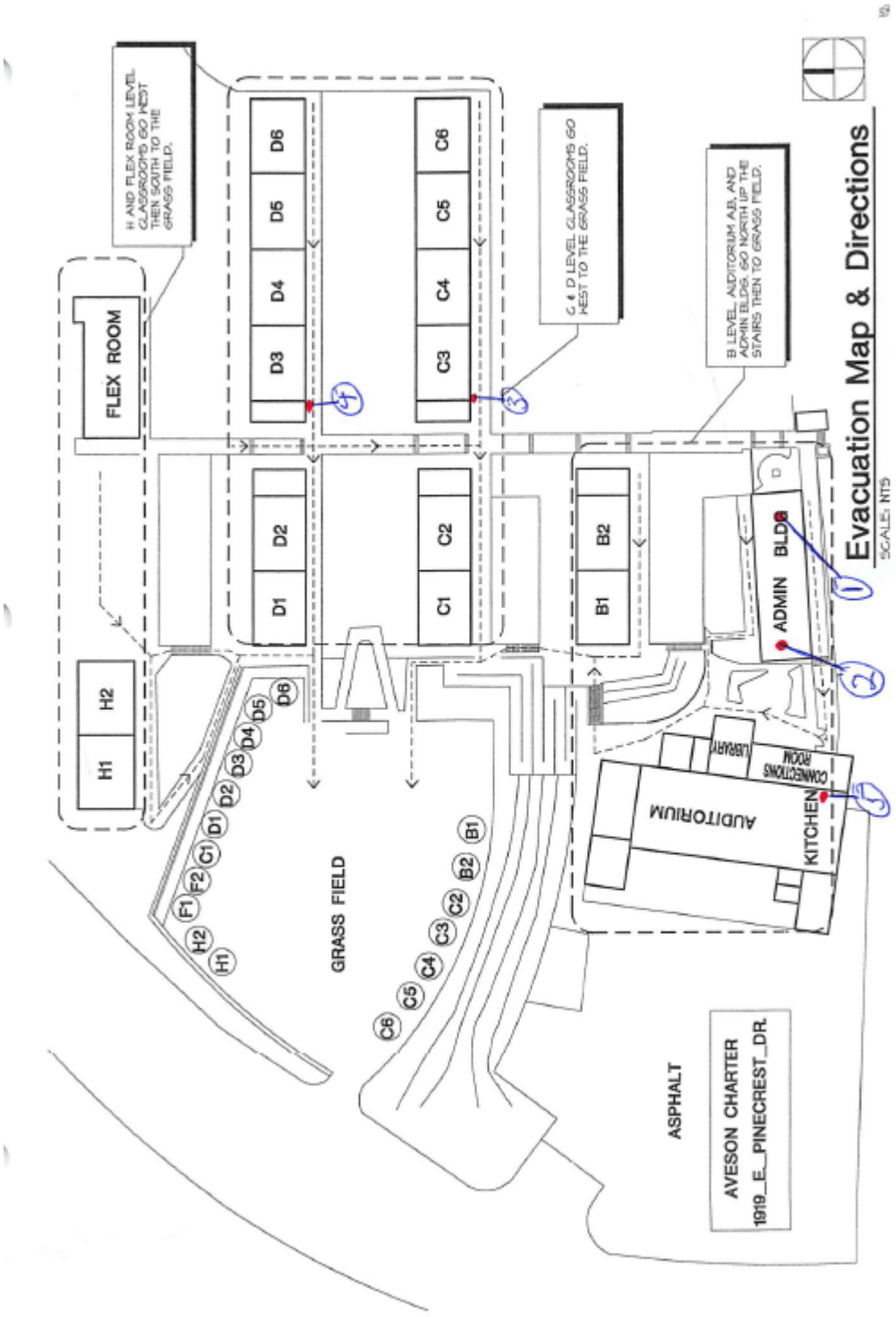
Lead Concentration (ppb):_____

NOTES:

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



Sample Location Map



SCHOOL NAME: AVESON

SAMPLE #1





SAMPLE#2

SAMPLE# 3



SAMPLE# 4





SAMPLE# 5