Pasadena Unified School District

Jefferson Elementary

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.

Some reports cover more than one school or program. The complete reports are included; use each sample identifier and site name to distinguish results.

Documents included

Jefferson Elementary and CC Lead Results | pages 2-8

Jefferson Elementary 9-28 Resample Lead Results | pages 9-13

Jefferson Elementary 10-26-17 Resample Lead Results | pages 14-18

Lead-Testing-PWP-Jefferson Elementary | pages 19-25

Sampling location photographs | pages 26-27

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:	7I08049	**Report Date:**	9/25/2017
		Received Date:	9/8/2017
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 9/08/17 with the Chain-of-Custody document. The samples were received in good condition, at 23.4 °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

14859 East Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

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Pasadena Water & Power
245 West Mountain
Pasadena, CA 91101

Project Number: Lead Testing

Project Manager: Mercedes Acevedo

Reported:
09/25/2017 18:55

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
1910124-ABC-A / JES-1-A, Alias: 1709153, RegID: 1910124-ABC-A	Myriam Cardenas	7I08049-01	Water	09/07/17 06:16	
1910124-ABC-AX / JES-1-B, Alias: 1709154	Myriam Cardenas	7I08049-02	Water	09/07/17 06:16	
1910124-ABC-B / JES-2-A, Alias: 1709155, RegID: 1910124-ABC-B	Myriam Cardenas	7I08049-03	Water	09/07/17 06:20	
1910124-ABC-BX / JES-2-B, Alias: 1709156	Myriam Cardenas	7I08049-04	Water	09/07/17 06:20	
1910124-ABC-C/ JES-3-A, Alias: 1709157, RegID: 1910124-ABC-C	Myriam Cardenas	7I08049-05	Water	09/07/17 06:27	
1910124-ABC-CX/ JES-3-B, Alias: 1709158	Myriam Cardenas	7I08049-06	Water	09/07/17 06:27	
1910124-ABC-D/ JES-4-A, Alias: 1709159, RegID: 1910124-ABC-D	Myriam Cardenas	7I08049-07	Water	09/07/17 06:31	
1910124-ABC-DX/ JES-4-B, Alias: 1709160	Myriam Cardenas	7I08049-08	Water	09/07/17 06:31	
1910124-ABC-E/ JES-5-A, Alias: 1709161, RegID: 1910124-ABC-E	Myriam Cardenas	7I08049-09	Water	09/07/17 06:36	
1910124-ABC-EX/ JES-5-B, Alias: 1709162	Myriam Cardenas	7I08049-10	Water	09/07/17 06:36	
1910124-ABC-FX/ JES-6-A, Alias: 1709163	Myriam Cardenas	7I08049-11	Water	09/07/17 06:45	
1910124-ABC-FX/ JES-6-B, Alias: 1709164	Myriam Cardenas	7I08049-12	Water	09/07/17 06:45	
1910124-ABC-GX/ JES-7-A, Alias: 1709165	Myriam Cardenas	7I08049-13	Water	09/07/17 07:02	
1910124-ABC-GX/ JES-7-B, Alias: 1709166	Myriam Cardenas	7I08049-14	Water	09/07/17 07:02	
1910124-ABC-HX/ JES-8-A, Alias: 1709167	Myriam Cardenas	7I08049-15	Water	09/07/17 06:58	
1910124-ABC-HX/ JES-8-B, Alias: 1709168	Myriam Cardenas	7I08049-16	Water	09/07/17 06:58	
1910124-ABC-IX/ JES-9-A, Alias: 1709169	Myriam Cardenas	7I08049-17	Water	09/07/17 06:50	
1910124-ABC-IX/ JES-9-B, Alias: 1709170	Myriam Cardenas	7I08049-18	Water	09/07/17 06:50	

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Pasadena Water & Power
245 West Mountain
Pasadena, CA 91101

Project Number: Lead Testing

Project Manager: Mercedes Acevedo

Reported:
09/25/2017 18:55

Sample Results

Sample: 1910124-ABC-A / JES-1-A, Alias: 1709153, RegID: 1910124-ABC-A — Sampled: 09/07/17 6:16 by Myriam Cardenas

7I08049-01 (Water) Jefferson Elementary Site #1 - 1st Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8 **Batch ID:** W7I0458		**Prepared:** 09/09/17 15:03				**Analyst:** gza
Lead, Total	22	5.0	ug/l	1	09/14/17 15:46	

Sample: 1910124-ABC-AX / JES-1-B, Alias: 1709154 — Sampled: 09/07/17 6:16 by Myriam Cardenas

7I08049-02 (Water) Jefferson Elementary Site #1 - 2nd Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8 **Batch ID:** W7I0608		**Prepared:** 09/12/17 15:12				**Analyst:** jck
Lead, Total	ND	5.0	ug/l	1	09/12/17 18:16	

Sample: 1910124-ABC-B / JES-2-A, Alias: 1709155, RegID: 1910124-ABC-B — Sampled: 09/07/17 6:20 by Myriam Cardenas

7I08049-03 (Water) Jefferson Elementary Site #2 - 1st Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8 **Batch ID:** W7I0608		**Prepared:** 09/12/17 15:12				**Analyst:** jck
Lead, Total	ND	5.0	ug/l	1	09/12/17 18:17	

Sample: 1910124-ABC-BX / JES-2-B, Alias: 1709156 — Sampled: 09/07/17 6:20 by Myriam Cardenas

7I08049-04 (Water) Jefferson Elementary Site #2 - 2nd Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8 **Batch ID:** W7I0608		**Prepared:** 09/12/17 15:12				**Analyst:** jck
Lead, Total	ND	5.0	ug/l	1	09/12/17 18:19	

Sample: 1910124-ABC-C/ JES-3-A, Alias: 1709157, RegID: 1910124-ABC-C — Sampled: 09/07/17 6:27 by Myriam Cardenas

7I08049-05 (Water) Jefferson Elementary Site #3 - 1st Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8 **Batch ID:** W7I0608		**Prepared:** 09/12/17 15:12				**Analyst:** jck
Lead, Total	ND	5.0	ug/l	1	09/12/17 18:21	

Sample: 1910124-ABC-CX/ JES-3-B, Alias: 1709158 — Sampled: 09/07/17 6:27 by Myriam Cardenas

7I08049-06 (Water) Jefferson Elementary Site #3 - 2nd Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8 **Batch ID:** W7I0608		**Prepared:** 09/12/17 15:12				**Analyst:** jck
Lead, Total	ND	5.0	ug/l	1	09/12/17 18:22	

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245 West Mountain
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Project Number: Lead Testing

Project Manager: Mercedes Acevedo

Reported:
09/25/2017 18:55

Sample Results

(Continued)

Sample: 1910124-ABC-D/ JES-4-A, Alias: 1709159, RegID: 1910124-ABC-D — Sampled: 09/07/17 6:31 by Myriam Cardenas

7I08049-07 (Water) Jefferson Elementary Site #4 - 1st Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8 **Batch ID:** W7I0608 **Prepared:** 09/12/17 15:12 **Analyst:** jck						
Lead, Total	ND	5.0	ug/l	1	09/12/17 18:24	

Sample: 1910124-ABC-DX/ JES-4-B, Alias: 1709160 — Sampled: 09/07/17 6:31 by Myriam Cardenas

7I08049-08 (Water) Jefferson Elementary Site #4 - 2nd Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8 **Batch ID:** W7I0608 **Prepared:** 09/12/17 15:12 **Analyst:** jck						
Lead, Total	ND	5.0	ug/l	1	09/12/17 18:26	

Sample: 1910124-ABC-E/ JES-5-A, Alias: 1709161, RegID: 1910124-ABC-E — Sampled: 09/07/17 6:36 by Myriam Cardenas

7I08049-09 (Water) Jefferson Elementary Site #5 - 1st Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8 **Batch ID:** W7I0608 **Prepared:** 09/12/17 15:12 **Analyst:** jck						
Lead, Total	ND	5.0	ug/l	1	09/12/17 18:31	

Sample: 1910124-ABC-EX/ JES-5-B, Alias: 1709162 — Sampled: 09/07/17 6:36 by Myriam Cardenas

7I08049-10 (Water) Jefferson Elementary Site #5 - 2nd Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8 **Batch ID:** W7I0608 **Prepared:** 09/12/17 15:12 **Analyst:** jck						
Lead, Total	ND	5.0	ug/l	1	09/12/17 18:33	

Sample: 1910124-ABC-FX/ JES-6-A, Alias: 1709163 — Sampled: 09/07/17 6:45 by Myriam Cardenas

7I08049-11 (Water) Jefferson CC Site #1 - 1st Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8 **Batch ID:** W7I0608 **Prepared:** 09/12/17 15:12 **Analyst:** jck						
Lead, Total	ND	5.0	ug/l	1	09/12/17 18:35	

Sample: 1910124-ABC-FX/ JES-6-B, Alias: 1709164 — Sampled: 09/07/17 6:45 by Myriam Cardenas

7I08049-12 (Water) Jefferson CC Site #1 - 2nd Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8 **Batch ID:** W7I0608 **Prepared:** 09/12/17 15:12 **Analyst:** jck						
Lead, Total	ND	5.0	ug/l	1	09/12/17 18:36	

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245 West Mountain
Pasadena, CA 91101

Project Number: Lead Testing

Project Manager: Mercedes Acevedo

Reported:
09/25/2017 18:55

Sample Results

(Continued)

Sample: 1910124-ABC-GX/ JES-7-A, Alias: 1709165 — Sampled: 09/07/17 7:02 by Myriam Cardenas

7I08049-13 (Water) Jefferson CC Site #2 - 1st Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8 **Batch ID:** W7I0608		**Prepared:** 09/12/17 15:12				**Analyst:** jck
Lead, Total	ND	5.0	ug/l	1	09/12/17 18:38	

Sample: 1910124-ABC-GX/ JES-7-B, Alias: 1709166 — Sampled: 09/07/17 7:02 by Myriam Cardenas

7I08049-14 (Water) Jefferson CC Site #2 - 2nd Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8 **Batch ID:** W7I0608		**Prepared:** 09/12/17 15:12				**Analyst:** jck
Lead, Total	ND	5.0	ug/l	1	09/12/17 18:40	

Sample: 1910124-ABC-HX/ JES-8-A, Alias: 1709167 — Sampled: 09/07/17 6:58 by Myriam Cardenas

7I08049-15 (Water) Jefferson CC Site #3 - 1st Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8 **Batch ID:** W7I0608		**Prepared:** 09/12/17 15:12				**Analyst:** jck
Lead, Total	ND	5.0	ug/l	1	09/12/17 18:41	

Sample: 1910124-ABC-HX/ JES-8-B, Alias: 1709168 — Sampled: 09/07/17 6:58 by Myriam Cardenas

7I08049-16 (Water) Jefferson CC Site #3 - 2nd Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8 **Batch ID:** W7I0608		**Prepared:** 09/12/17 15:12				**Analyst:** jck
Lead, Total	ND	5.0	ug/l	1	09/12/17 18:43	

Sample: 1910124-ABC-IX/ JES-9-A, Alias: 1709169 — Sampled: 09/07/17 6:50 by Myriam Cardenas

7I08049-17 (Water) Jefferson CC Site #4 - 1st Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8 **Batch ID:** W7I0608		**Prepared:** 09/12/17 15:12				**Analyst:** jck
Lead, Total	ND	5.0	ug/l	1	09/12/17 18:45	

Sample: 1910124-ABC-IX/ JES-9-B, Alias: 1709170 — Sampled: 09/07/17 6:50 by Myriam Cardenas

7I08049-18 (Water) Jefferson CC Site #4 - 2nd Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8 **Batch ID:** W7I0608		**Prepared:** 09/12/17 15:12				**Analyst:** jck
Lead, Total	ND	5.0	ug/l	1	09/12/17 18:47	

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245 West Mountain
Pasadena, CA 91101

Project Number: Lead Testing

Project Manager: Mercedes Acevedo

Reported:
09/25/2017 18:55

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: W7I0458 - EPA 200.8										
Blank (W7I0458-BLK1)				**Prepared: 09/09/17 Analyzed: 09/14/17**						
Lead, Total	ND	5.0	ug/l							
LCS (W7I0458-BS1)				**Prepared: 09/09/17 Analyzed: 09/14/17**						
Lead, Total	47.7	5.0	ug/l	50.0		95	85-115			
Matrix Spike (W7I0458-MS1)	**Source: 7F22001-07**			**Prepared: 09/09/17 Analyzed: 09/14/17**						
Lead, Total	48.1	5.0	ug/l	50.0	0.914	94	70-130			
Matrix Spike Dup (W7I0458-MSD1)	**Source: 7F22001-07**			**Prepared: 09/09/17 Analyzed: 09/14/17**						
Lead, Total	47.2	5.0	ug/l	50.0	0.914	93	70-130	2	30	
Batch: W7I0608 - EPA 200.8										
Blank (W7I0608-BLK1)				**Prepared & Analyzed: 09/12/17**						
Lead, Total	ND	5.0	ug/l							
LCS (W7I0608-BS1)				**Prepared & Analyzed: 09/12/17**						
Lead, Total	50.5	5.0	ug/l	50.0		101	85-115			
Matrix Spike (W7I0608-MS1)	**Source: 7I06101-01**			**Prepared & Analyzed: 09/12/17**						
Lead, Total	49.2	5.0	ug/l	50.0	0.139	98	70-130			
Matrix Spike (W7I0608-MS2)	**Source: 7I06102-01**			**Prepared & Analyzed: 09/12/17**						
Lead, Total	49.6	5.0	ug/l	50.0	1.42	96	70-130			
Matrix Spike Dup (W7I0608-MSD1)	**Source: 7I06101-01**			**Prepared & Analyzed: 09/12/17**						
Lead, Total	48.2	5.0	ug/l	50.0	0.139	96	70-130	2	30	
Matrix Spike Dup (W7I0608-MSD2)	**Source: 7I06102-01**			**Prepared & Analyzed: 09/12/17**						
Lead, Total	50.6	5.0	ug/l	50.0	1.42	98	70-130	2	30	

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245 West Mountain
Pasadena, CA 91101

Project Number: Lead Testing

Project Manager: Mercedes Acevedo

Reported:
09/25/2017 18:55

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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Certificate of Analysis

FINAL REPORT

Work Orders:	7I28044	**Report Date:**	10/06/2017
		Received Date:	9/28/2017
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 9/28/17 with the Chain-of-Custody document. The samples were received in good condition, at 27.6 °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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245 West Mountain
Pasadena, CA 91101

Project Number: Lead Testing

Project Manager: Mercedes Acevedo

Reported:
10/06/2017 10:35

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
1910124-ABC-A/ JES-1-C, Alias: 1709691, RegID: 1910124-ABC-A	Myriam Cardenas	7I28044-01	Water	09/28/17 06:15	
1910124-ABC-AX/ JES-1-D, Alias: 1709692	Myriam Cardenas	7I28044-02	Water	09/28/17 06:15	

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WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

Pasadena Water & Power
245 West Mountain
Pasadena, CA 91101

Project Number: Lead Testing

Project Manager: Mercedes Acevedo

Reported:
10/06/2017 10:35

Sample Results

Sample: 1910124-ABC-A/ JES-1-C, Alias: 1709691, RegID: 1910124-ABC-A — Sampled: 09/28/17 6:15 by Myriam Cardenas

7I28044-01 (Water) Jefferson Elementary Site #1 - 9/28 Resample - 1st Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.7	**Batch ID:** W7I1688	**Prepared:** 09/29/17 08:15				**Analyst:** JCK
Iron, Total	**160**	10	ug/l	1	09/29/17 19:38	
Method: EPA 200.8	**Batch ID:** W7I1690	**Prepared:** 09/29/17 08:19				**Analyst:** jck
Lead, Total	ND	5.0	ug/l	1	09/29/17 17:12	

Sample: 1910124-ABC-AX/ JES-1-D, Alias: 1709692 — Sampled: 09/28/17 6:15 by Myriam Cardenas

7I28044-02 (Water) Jefferson Elementary Site #1 - 9/28 Resample - 2nd Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.7	**Batch ID:** W7I1688	**Prepared:** 09/29/17 08:15				**Analyst:** JCK
Iron, Total	**300**	10	ug/l	1	09/29/17 19:41	
Method: EPA 200.8	**Batch ID:** W7I1690	**Prepared:** 09/29/17 08:19				**Analyst:** jck
Lead, Total	ND	5.0	ug/l	1	09/29/17 17:15	

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Project Number: Lead Testing

Project Manager: Mercedes Acevedo

Reported:
10/06/2017 10:35

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: W7I1688 - EPA 200.7										
Blank (W7I1688-BLK1)				**Prepared & Analyzed: 09/29/17**						
Iron, Total	ND	10	ug/l							
LCS (W7I1688-BS1)				**Prepared & Analyzed: 09/29/17**						
Iron, Total	196	10	ug/l	200		98	85-115			
Matrix Spike (W7I1688-MS1)	**Source: 7I28044-01**			**Prepared & Analyzed: 09/29/17**						
Iron, Total	363	10	ug/l	200	162	100	70-130			
Matrix Spike Dup (W7I1688-MSD1)	**Source: 7I28044-01**			**Prepared & Analyzed: 09/29/17**						
Iron, Total	364	10	ug/l	200	162	101	70-130	0.3	30	
Batch: W7I1690 - EPA 200.8										
Blank (W7I1690-BLK1)				**Prepared & Analyzed: 09/29/17**						
Lead, Total	ND	5.0	ug/l							
LCS (W7I1690-BS1)				**Prepared & Analyzed: 09/29/17**						
Lead, Total	48.8	5.0	ug/l	50.0		98	85-115			
Matrix Spike (W7I1690-MS1)	**Source: 7I28023-01**			**Prepared & Analyzed: 09/29/17**						
Lead, Total	47.1	5.0	ug/l	50.0	0.220	94	70-130			
Matrix Spike (W7I1690-MS2)	**Source: 7I28023-02**			**Prepared & Analyzed: 09/29/17**						
Lead, Total	49.1	5.0	ug/l	50.0	1.38	95	70-130			
Matrix Spike Dup (W7I1690-MSD1)	**Source: 7I28023-01**			**Prepared & Analyzed: 09/29/17**						
Lead, Total	47.7	5.0	ug/l	50.0	0.220	95	70-130	1	30	
Matrix Spike Dup (W7I1690-MSD2)	**Source: 7I28023-02**			**Prepared & Analyzed: 09/29/17**						
Lead, Total	48.6	5.0	ug/l	50.0	1.38	94	70-130	0.9	30	

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Pasadena Water & Power
245 West Mountain
Pasadena, CA 91101

Project Number: Lead Testing

Project Manager: Mercedes Acevedo

Reported:
10/06/2017 10:35

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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Certificate of Analysis

FINAL REPORT

Work Orders:	7K01050	**Report Date:**	11/09/2017
		Received Date:	11/1/2017
Project:	Lead Testing	**Turnaround Time:**	4 workdays
		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 11/01/17 with the Chain-of-Custody document. The samples were received in good condition, at 21.8 °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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WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

Pasadena Water & Power
245 West Mountain
Pasadena, CA 91101

Project Number: Lead Testing

Project Manager: Mercedes Acevedo

Reported:
11/09/2017 09:56

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
1910124-ABC-A/ JES-1-E, Alias: 1710648, RegID: 1910124-ABC-A	Myriam Cardenas	7K01050-01	Water	10/26/17 06:07	
1910124-ABC-AX/ JES-1-F, Alias: 1710649	Myriam Cardenas	7K01050-02	Water	10/26/17 06:07	

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FINAL REPORT

Pasadena Water & Power
245 West Mountain
Pasadena, CA 91101

Project Number: Lead Testing

Project Manager: Mercedes Acevedo

Reported:
11/09/2017 09:56

Sample Results

Sample: 1910124-ABC-A/ JES-1-E, Alias: 1710648, RegID: 1910124-ABC-A — Sampled: 10/26/17 6:07 by Myriam Cardenas

7K01050-01 (Water) Jefferson Elementary Site #1 - 10/26 Resample - 1st Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7K0287	**Prepared:** 11/06/17 15:04				**Analyst:** rrl
Lead, Total	ND	5.0	ug/l	1	11/07/17 13:00	

Sample: 1910124-ABC-AX/ JES-1-F, Alias: 1710649 — Sampled: 10/26/17 6:07 by Myriam Cardenas

7K01050-02 (Water) Jefferson Elementary Site #1 - 10/26 Resample - 2nd Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7K0282	**Prepared:** 11/06/17 14:38				**Analyst:** MTT
Lead, Total	ND	5.0	ug/l	1	11/06/17 19:40	

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Pasadena, CA 91101

Project Number: Lead Testing

Project Manager: Mercedes Acevedo

Reported:
11/09/2017 09:56

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: W7K0282 - EPA 200.8										
Blank (W7K0282-BLK1)				**Prepared & Analyzed: 11/06/17**						
Lead, Total	ND	5.0	ug/l							
LCS (W7K0282-BS1)				**Prepared & Analyzed: 11/06/17**						
Lead, Total	47.5	5.0	ug/l	50.0		95	85-115			
Matrix Spike (W7K0282-MS1)	**Source: 7K01050-02**			**Prepared & Analyzed: 11/06/17**						
Lead, Total	47.6	5.0	ug/l	50.0	0.380	94	70-130			
Matrix Spike (W7K0282-MS2)	**Source: 7K01051-02**			**Prepared & Analyzed: 11/06/17**						
Lead, Total	51.7	5.0	ug/l	50.0	5.28	93	70-130			
Matrix Spike Dup (W7K0282-MSD1)	**Source: 7K01050-02**			**Prepared & Analyzed: 11/06/17**						
Lead, Total	47.9	5.0	ug/l	50.0	0.380	95	70-130	0.6	30	
Matrix Spike Dup (W7K0282-MSD2)	**Source: 7K01051-02**			**Prepared & Analyzed: 11/06/17**						
Lead, Total	51.6	5.0	ug/l	50.0	5.28	93	70-130	0.3	30	
Batch: W7K0287 - EPA 200.8										
Blank (W7K0287-BLK1)				**Prepared: 11/06/17 Analyzed: 11/07/17**						
Lead, Total	ND	5.0	ug/l							
LCS (W7K0287-BS1)				**Prepared: 11/06/17 Analyzed: 11/07/17**						
Lead, Total	48.1	5.0	ug/l	50.0		96	85-115			
Matrix Spike (W7K0287-MS1)	**Source: 7K01051-01**			**Prepared: 11/06/17 Analyzed: 11/07/17**						
Lead, Total	60.4	5.0	ug/l	50.0	9.04	103	70-130			
Matrix Spike Dup (W7K0287-MSD1)	**Source: 7K01051-01**			**Prepared: 11/06/17 Analyzed: 11/07/17**						
Lead, Total	58.6	5.0	ug/l	50.0	9.04	99	70-130	3	30	

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Pasadena Water & Power
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Pasadena, CA 91101

Project Number: Lead Testing

Project Manager: Mercedes Acevedo

Reported:
11/09/2017 09:56

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Pasadena Water & Power and Jefferson Elementary School Lead Sampling Plan

Water System Name: Pasadena Water & Power

Water System Number:1910124

School Name:___Jefferson Elementary School_____

School Address:__1500 East Villa St.,Pasadena, CA 91106-1322_____

Meeting Date:_____

PWP Representative:

Myriam Cardenas 8/31/17

Myriam Cardenas
Principal Chemist

Pasadena Unified School District Representative:

_____
Signature & Date

_____
Print Name

Sample Recordkeeping Form

Sample No. 1

Name of Building:___Cafe_____

Location Description:_Kitchen_____

Type of Outlet:__Sink Faucet_____

Sample I.D.:___1910124-ABC-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 JES-1-A and JES-1-B on the same day.
A was collected first and immediately after, B was collected. No water flushed between samples.
Sample ID 1910124-ABC-A corresponds to JES-1-A.
Sample ID 1910124-ABC-AX corresponds to JES-1-B.



Sample Recordkeeping Form

Sample No. 2

Name of Building:___Playground_____

Location Description:_West side of Cafeteria/Next to Handball Court_

Type of Outlet:__Outdoor Fountain/Upper

Sample I.D.:___1910124-ABC-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
JES-2-A and JES-2-B on the same day.
A was collected first and immediately after, B was collected. No water flushed between samples.
Sample ID 1910124-ABC-B corresponds to JES-2-A.
Sample ID 1910124-ABC-BX corresponds to JES-2-B.



Sample Recordkeeping Form

Sample No. 3

Name of Building:___A-Building _____

Location Description:_Outside/East side of Boys Restroom_____

Type of Outlet:__Outdoor Fountain/Upper_____ _____

Sample I.D.:___1910124-ABC-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
JES-3-A and JES-3-B on the same day.
A was collected first and immediately after, B was collected. No water flushed between samples.
Sample ID 1910124-ABC-C corresponds to JES-3-A.
Sample ID 1910124-ABC-CX corresponds to JES-3-B.



Sample Recordkeeping Form

Sample No. 4

Name of Building: A-Building/1st Floor

Location Description: Teacher's Lounge

Type of Outlet: Sink Faucet

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



Sample Recordkeeping Form

Sample No. 5

Name of Building: A-Building/1st Floor

Location Description: Classroom 19

Type of Outlet: Sink Faucet

Sample I.D.: 1910124-ABC-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

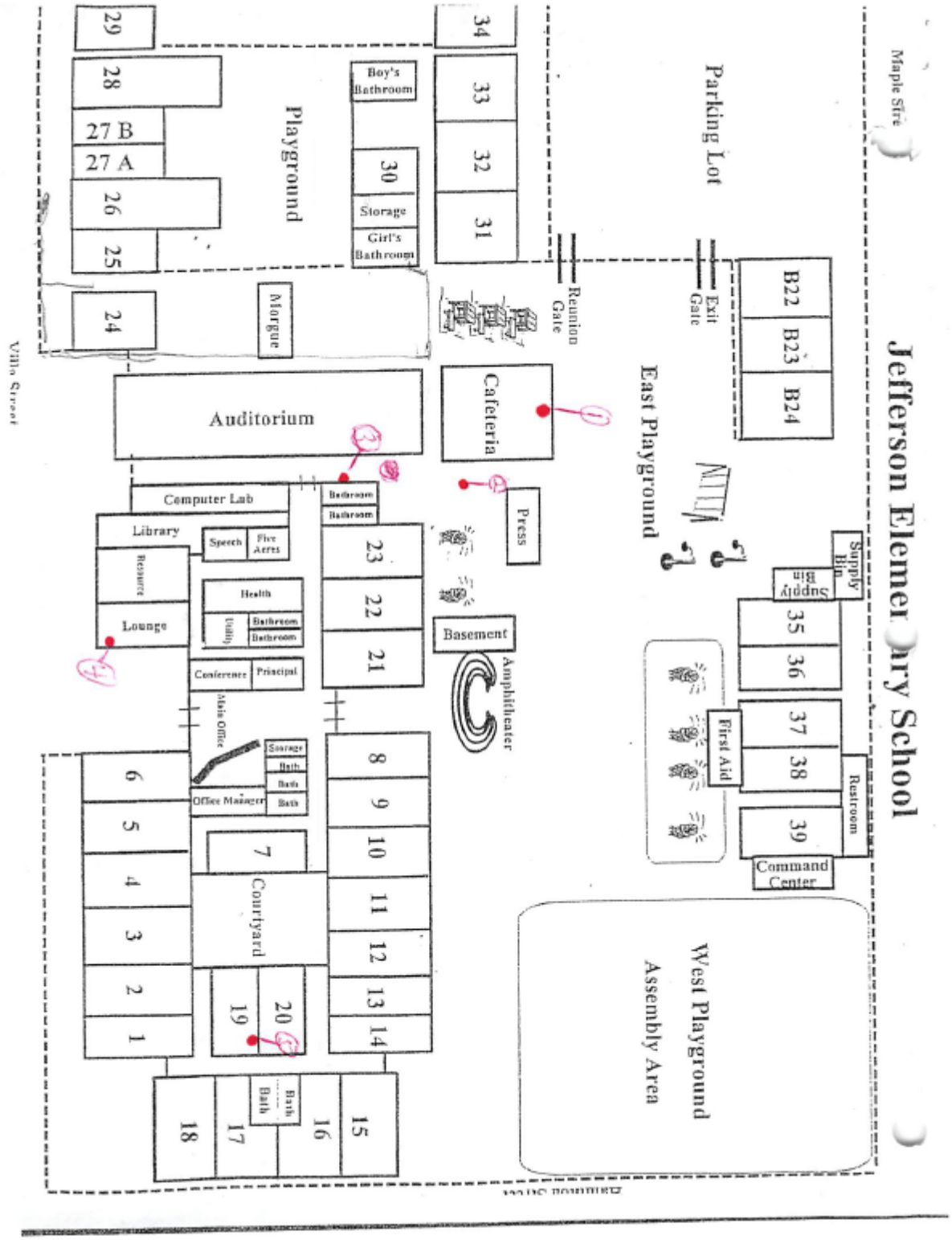
Lead Concentration (ppb): _____

NOTES:

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



Sample Location Map



SCHOOL NAME: JEFFERSON ELEM

SAMPLE #1





SAMPLE#2

SAMPLE# 3



SAMPLE# 4



SAMPLE# 5

