Pasadena Unified School District

Washington Children Center

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.

District summary sheets are included as supporting records and are identified separately from laboratory reports.

Documents included

Washington Elementary and CC 9-14-17 Lead Results | pages 2-10

Washington CC 9-21-17 Resample Lead Results | pages 11-15

Blair High and Washington CC 9-26-17 Resample Lead Results | pages 16-24

Washington CC 10-26-17 Resample Lead Results | pages 25-29

District results summary - Washington Children Center | page 30

Washington CC | page 31

Sampling location photographs | pages 32-33

Site map | page 34

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: 7I14070

Project: Lead Testing

Attn: Mercedes Acevedo

Client: Pasadena Water & Power
245 West Mountain
Pasadena, CA 91101

Report Date: 10/05/2017
Received Date: 9/14/2017
Turnaround Time: Normal
Phones: (626) 744-7910
Fax: -
P.O. #: 1180024-00
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 9/14/17 with the Chain-of-Custody document. The samples were received in good condition, at 22.3 °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 11:56

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
1910124-ABE-A / WAES-1-A, Alias: 1709319, RegID: 1910124-ABE-A	Myriam Cardenas	7I14070-01	Water	09/14/17 06:14	
1910124-ABE-AX / WAES-1-B, Alias: 1709320	Myriam Cardenas	7I14070-02	Water	09/14/17 06:14	
1910124-ABE-B / WAES-2-A, Alias: 1709321, RegID: 1910124-ABE-B	Myriam Cardenas	7I14070-03	Water	09/14/17 06:10	
1910124-ABE-BX / WAES-2-B, Alias: 1709322	Myriam Cardenas	7I14070-04	Water	09/14/17 06:10	
1910124-ABE-C / WAES-3-A, Alias: 1709323, RegID: 1910124-ABE-C	Myriam Cardenas	7I14070-05	Water	09/14/17 06:20	
1910124-ABE-CX / WAES-3-B, Alias: 1709324	Myriam Cardenas	7I14070-06	Water	09/14/17 06:20	
1910124-ABE-D / WAES-4-A, Alias: 1709325, RegID: 1910124-ABE-D	Myriam Cardenas	7I14070-07	Water	09/14/17 06:27	
1910124-ABE-DX / WAES-4-B, Alias: 1709326	Myriam Cardenas	7I14070-08	Water	09/14/17 06:27	
1910124-ABE-E / WAES-5-A, Alias: 1709327, RegID: 1910124-ABE-E	Myriam Cardenas	7I14070-09	Water	09/14/17 06:35	
1910124-ABE-EX / WAES-5-B, Alias: 1709328	Myriam Cardenas	7I14070-10	Water	09/14/17 06:35	
1910124-ABE-FX / WAES-6-A, Alias: 1709329	Myriam Cardenas	7I14070-11	Water	09/14/17 07:01	
1910124-ABE-FX / WAES-6-B, Alias: 1709330	Myriam Cardenas	7I14070-12	Water	09/14/17 07:01	
1910124-ABE-GX / WAES-7-A, Alias: 1709331	Myriam Cardenas	7I14070-13	Water	09/14/17 06:50	
1910124-ABE-GX / WAES-7-B, Alias: 1709332	Myriam Cardenas	7I14070-14	Water	09/14/17 06:50	
1910124-ABE-HX / WAES-8-A, Alias: 1709333	Myriam Cardenas	7I14070-15	Water	09/14/17 06:56	
1910124-ABE-HX / WAES-8-B, Alias: 1709334	Myriam Cardenas	7I14070-16	Water	09/14/17 06:56	
1910124-ABE-IX / WAES-9-A, Alias: 1709335	Myriam Cardenas	7I14070-17	Water	09/14/17 06:47	
1910124-ABE-IX / WAES-9-B, Alias: 1709336	Myriam Cardenas	7I14070-18	Water	09/14/17 06:47	

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Project Manager: Mercedes Acevedo

Reported:
10/05/2017 11:56

Sample Results

Sample: 1910124-ABE-A / WAES-1-A, Alias: 1709319, RegID: 1910124-ABE-A — Sampled: 09/14/17 6:14 by Myriam Cardenas

7I14070-01 (Water) Washington Elem - Site#1 - 1st Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8 **Batch ID:** W7I0926		**Prepared:** 09/18/17 08:11				**Analyst:** jck
Lead, Total	ND	5.0	ug/l	1	09/18/17 12:56	

Sample: 1910124-ABE-AX / WAES-1-B, Alias: 1709320 — Sampled: 09/14/17 6:14 by Myriam Cardenas

7I14070-02 (Water) Washington Elem - Site#1 - 2nd Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8 **Batch ID:** W7I0926		**Prepared:** 09/18/17 08:11				**Analyst:** jck
Lead, Total	ND	5.0	ug/l	1	09/18/17 12:58	

Sample: 1910124-ABE-B / WAES-2-A, Alias: 1709321, RegID: 1910124-ABE-B — Sampled: 09/14/17 6:10 by Myriam Cardenas

7I14070-03 (Water) Washington Elem - Site#2 - 1st Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8 **Batch ID:** W7I0926		**Prepared:** 09/18/17 08:11				**Analyst:** jck
Lead, Total	ND	5.0	ug/l	1	09/18/17 13:01	

Sample: 1910124-ABE-BX / WAES-2-B, Alias: 1709322 — Sampled: 09/14/17 6:10 by Myriam Cardenas

7I14070-04 (Water) Washington Elem - Site#2 - 2nd Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8 **Batch ID:** W7I0926		**Prepared:** 09/18/17 08:11				**Analyst:** jck
Lead, Total	ND	5.0	ug/l	1	09/18/17 13:03	

Sample: 1910124-ABE-C / WAES-3-A, Alias: 1709323, RegID: 1910124-ABE-C — Sampled: 09/14/17 6:20 by Myriam Cardenas

7I14070-05 (Water) Washington Elem - Site#3 - 1st Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8 **Batch ID:** W7I0926		**Prepared:** 09/18/17 08:11				**Analyst:** jck
Lead, Total	ND	5.0	ug/l	1	09/18/17 13:05	

Sample: 1910124-ABE-CX / WAES-3-B, Alias: 1709324 — Sampled: 09/14/17 6:20 by Myriam Cardenas

7I14070-06 (Water) Washington Elem - Site#3 - 2nd Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8 **Batch ID:** W7I0926		**Prepared:** 09/18/17 08:11				**Analyst:** jck
Lead, Total	ND	5.0	ug/l	1	09/18/17 13:07	

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Sample Results

(Continued)

Sample: 1910124-ABE-D / WAES-4-A, Alias: 1709325, RegID: 1910124-ABE-D — Sampled: 09/14/17 6:27 by Myriam Cardenas

7I14070-07 (Water) Washington Elem - Site#4 - 1st Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8 **Batch ID:** W7I0926 **Prepared:** 09/18/17 08:11 **Analyst:** jck						
Lead, Total	ND	5.0	ug/l	1	09/18/17 13:09	

Sample: 1910124-ABE-DX / WAES-4-B, Alias: 1709326 — Sampled: 09/14/17 6:27 by Myriam Cardenas

7I14070-08 (Water) Washington Elem - Site#4 - 2nd Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8 **Batch ID:** W7I0926 **Prepared:** 09/18/17 08:11 **Analyst:** jck						
Lead, Total	ND	5.0	ug/l	1	09/18/17 13:12	

Sample: 1910124-ABE-E / WAES-5-A, Alias: 1709327, RegID: 1910124-ABE-E — Sampled: 09/14/17 6:35 by Myriam Cardenas

7I14070-09 (Water) Washington Elem - Site#5 - 1st Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8 **Batch ID:** W7I0926 **Prepared:** 09/18/17 08:11 **Analyst:** jck						
Lead, Total	ND	5.0	ug/l	1	09/18/17 13:14	

Sample: 1910124-ABE-EX / WAES-5-B, Alias: 1709328 — Sampled: 09/14/17 6:35 by Myriam Cardenas

7I14070-10 (Water) Washington Elem - Site#5 - 2nd Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8 **Batch ID:** W7I0926 **Prepared:** 09/18/17 08:11 **Analyst:** jck						
Lead, Total	ND	5.0	ug/l	1	09/18/17 13:16	

Sample: 1910124-ABE-FX / WAES-6-A, Alias: 1709329 — Sampled: 09/14/17 7:01 by Myriam Cardenas

7I14070-11 (Water) Washington CC - Site#1 - 1st Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.7 **Batch ID:** W7I1687 **Prepared:** 09/29/17 08:13 **Analyst:** JCK						
Iron, Total	**120**	10	ug/l	1	09/29/17 17:48	
Method: EPA 200.8 **Batch ID:** W7I0926 **Prepared:** 09/18/17 08:11 **Analyst:** jck						
Lead, Total	ND	5.0	ug/l	1	09/18/17 13:23	

Sample: 1910124-ABE-FX / WAES-6-B, Alias: 1709330 — Sampled: 09/14/17 7:01 by Myriam Cardenas

7I14070-12 (Water) Washington CC - Site#1 - 2nd Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.7 **Batch ID:** W7I1687 **Prepared:** 09/29/17 08:13 **Analyst:** JCK						
Iron, Total	**120**	10	ug/l	1	09/29/17 17:50	
Method: EPA 200.8 **Batch ID:** W7I0926 **Prepared:** 09/18/17 08:11 **Analyst:** jck						
Lead, Total	ND	5.0	ug/l	1	09/18/17 13:25	

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Sample Results

(Continued)

Sample: 1910124-ABE-GX / WAES-7-A, Alias: 1709331 — Sampled: 09/14/17 6:50 by Myriam Cardenas

7I14070-13 (Water) Washington CC - Site#2 - 1st Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.7	**Batch ID:** W7I1000	**Prepared:** 09/20/17 08:00				**Analyst:** JCK
Iron, Total	ND	10	ug/l	1	09/20/17 15:43	
Method: EPA 200.8	**Batch ID:** W7I0926	**Prepared:** 09/18/17 08:11				**Analyst:** jck
Copper, Total	**2.5**	0.50	ug/l	1	09/18/17 13:27	
Lead, Total	**8.3**	5.0	ug/l	1	09/18/17 13:27	
Method: EPA 200.8	**Batch ID:** W7I1241	**Prepared:** 09/21/17 13:38				**Analyst:** rrl
Nickel, Total	**43**	0.80	ug/l	1	09/27/17 12:14	
Zinc, Total	**710**	5.0	ug/l	1	09/27/17 12:14	

Sample: 1910124-ABE-GX / WAES-7-B, Alias: 1709332 — Sampled: 09/14/17 6:50 by Myriam Cardenas

7I14070-14 (Water) Washington CC - Site#2 - 2nd Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.7	**Batch ID:** W7I1000	**Prepared:** 09/20/17 08:00				**Analyst:** JCK
Iron, Total	**10**	10	ug/l	1	09/20/17 15:46	
Method: EPA 200.8	**Batch ID:** W7I0926	**Prepared:** 09/18/17 08:11				**Analyst:** jck
Copper, Total	**1.5**	0.50	ug/l	1	09/18/17 13:29	
Lead, Total	**7.6**	5.0	ug/l	1	09/18/17 13:29	
Method: EPA 200.8	**Batch ID:** W7I1241	**Prepared:** 09/21/17 13:38				**Analyst:** rrl
Nickel, Total	**5.4**	0.80	ug/l	1	09/27/17 12:16	
Method: EPA 200.8	**Batch ID:** W7I1654	**Prepared:** 09/28/17 12:47				**Analyst:** jck
Zinc, Total	**1100**	5.0	ug/l	1	09/28/17 16:11	

Sample: 1910124-ABE-HX / WAES-8-A, Alias: 1709333 — Sampled: 09/14/17 6:56 by Myriam Cardenas

7I14070-15 (Water) Washington CC - Site#3 - 1st Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.7	**Batch ID:** W7I1687	**Prepared:** 09/29/17 08:13				**Analyst:** JCK
Iron, Total	**640**	10	ug/l	1	09/29/17 17:53	
Method: EPA 200.8	**Batch ID:** W7I0926	**Prepared:** 09/18/17 08:11				**Analyst:** jck
Lead, Total	ND	5.0	ug/l	1	09/18/17 13:31	

Sample: 1910124-ABE-HX / WAES-8-B, Alias: 1709334 — Sampled: 09/14/17 6:56 by Myriam Cardenas

7I14070-16 (Water) Washington CC - Site#3 - 2nd Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.7	**Batch ID:** W7I1687	**Prepared:** 09/29/17 08:13				**Analyst:** JCK
Iron, Total	**290**	10	ug/l	1	09/29/17 17:56	
Method: EPA 200.8	**Batch ID:** W7I0926	**Prepared:** 09/18/17 08:11				**Analyst:** jck
Lead, Total	ND	5.0	ug/l	1	09/18/17 13:34	

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Project Number: Lead Testing

Project Manager: Mercedes Acevedo

Reported:
10/05/2017 11:56

Sample Results

(Continued)

Sample: 1910124-ABE-IX / WAES-9-A, Alias: 1709335 — Sampled: 09/14/17 6:47 by Myriam Cardenas

7I14070-17 (Water) Washington CC - Site#4 - 1st Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.7	**Batch ID:** W7I1000	**Prepared:** 09/20/17 08:00				**Analyst:** JCK
Iron, Total	**25**	10	ug/l	1	09/20/17 15:49	
Method: EPA 200.8	**Batch ID:** W7I0926	**Prepared:** 09/18/17 08:11				**Analyst:** jck
Copper, Total	**370**	0.50	ug/l	1	09/18/17 13:36	
Lead, Total	**5.4**	5.0	ug/l	1	09/18/17 13:36	
Method: EPA 200.8	**Batch ID:** W7I1241	**Prepared:** 09/21/17 13:38				**Analyst:** rrl
Nickel, Total	**73**	0.80	ug/l	1	09/27/17 12:19	
Zinc, Total	**320**	5.0	ug/l	1	09/27/17 12:19	

Sample: 1910124-ABE-IX / WAES-9-B, Alias: 1709336 — Sampled: 09/14/17 6:47 by Myriam Cardenas

7I14070-18 (Water) Washington CC - Site#4 - 2nd Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.7	**Batch ID:** W7I1000	**Prepared:** 09/20/17 08:00				**Analyst:** JCK
Iron, Total	**22**	10	ug/l	1	09/20/17 15:52	
Method: EPA 200.8	**Batch ID:** W7I0926	**Prepared:** 09/18/17 08:11				**Analyst:** jck
Copper, Total	**330**	0.50	ug/l	1	09/18/17 13:38	
Lead, Total	ND	5.0	ug/l	1	09/18/17 13:38	
Method: EPA 200.8	**Batch ID:** W7I1241	**Prepared:** 09/21/17 13:38				**Analyst:** rrl
Nickel, Total	**10**	0.80	ug/l	1	09/27/17 12:21	
Zinc, Total	**190**	5.0	ug/l	1	09/27/17 12:21	

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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: W7I0926 - EPA 200.8										
Blank (W7I0926-BLK1)				**Prepared & Analyzed: 09/18/17**						
Copper, Total	ND	0.50	ug/l							
Lead, Total	ND	5.0	ug/l							
LCS (W7I0926-BS1)				**Prepared & Analyzed: 09/18/17**						
Copper, Total	48.9	0.50	ug/l	50.0		98	85-115			
Lead, Total	49.0	5.0	ug/l	50.0		98	85-115			
Matrix Spike (W7I0926-MS1)	**Source: 7I14070-01**			**Prepared & Analyzed: 09/18/17**						
Copper, Total	429	0.50	ug/l	50.0	391	76	70-130			
Lead, Total	47.4	5.0	ug/l	50.0	0.538	94	70-130			
Matrix Spike (W7I0926-MS2)	**Source: 7I14070-02**			**Prepared & Analyzed: 09/18/17**						
Copper, Total	286	0.50	ug/l	50.0	237	97	70-130			
Lead, Total	46.8	5.0	ug/l	50.0	0.281	93	70-130			
Matrix Spike Dup (W7I0926-MSD1)	**Source: 7I14070-01**			**Prepared & Analyzed: 09/18/17**						
Copper, Total	436	0.50	ug/l	50.0	391	90	70-130	2	30	
Lead, Total	47.1	5.0	ug/l	50.0	0.538	93	70-130	0.7	30	
Matrix Spike Dup (W7I0926-MSD2)	**Source: 7I14070-02**			**Prepared & Analyzed: 09/18/17**						
Copper, Total	284	0.50	ug/l	50.0	237	94	70-130	0.6	30	
Lead, Total	46.6	5.0	ug/l	50.0	0.281	93	70-130	0.5	30	
Batch: W7I1000 - EPA 200.7										
Blank (W7I1000-BLK1)				**Prepared & Analyzed: 09/20/17**						
Iron, Total	ND	10	ug/l							
LCS (W7I1000-BS1)				**Prepared & Analyzed: 09/20/17**						
Iron, Total	186	10	ug/l	200		93	85-115			
Matrix Spike (W7I1000-MS1)	**Source: 7I14070-13**			**Prepared & Analyzed: 09/20/17**						
Iron, Total	190	10	ug/l	200	2.00	94	70-130			
Matrix Spike (W7I1000-MS2)	**Source: 7I14070-14**			**Prepared & Analyzed: 09/20/17**						
Iron, Total	197	10	ug/l	200	10.0	93	70-130			
Matrix Spike Dup (W7I1000-MSD1)	**Source: 7I14070-13**			**Prepared & Analyzed: 09/20/17**						
Iron, Total	192	10	ug/l	200	2.00	95	70-130	1	30	
Matrix Spike Dup (W7I1000-MSD2)	**Source: 7I14070-14**			**Prepared & Analyzed: 09/20/17**						
Iron, Total	198	10	ug/l	200	10.0	94	70-130	0.5	30	
Batch: W7I1241 - EPA 200.8										
Blank (W7I1241-BLK1)				**Prepared: 09/21/17 Analyzed: 09/27/17**						
Nickel, Total	ND	0.80	ug/l							
Zinc, Total	ND	5.0	ug/l							
LCS (W7I1241-BS1)				**Prepared: 09/21/17 Analyzed: 09/27/17**						
Nickel, Total	48.9	0.80	ug/l	50.0		98	85-115			

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Quality Control Results (Continued)

Metals by EPA 200 Series Methods (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W7I1241 - EPA 200.8 (Continued)										
LCS (W7I1241-BS1)				**Prepared: 09/21/17 Analyzed: 09/27/17**						
Zinc, Total	50.4	5.0	ug/l	50.0		101	85-115			
Matrix Spike (W7I1241-MS1)	**Source: 7I08049-02**			**Prepared: 09/21/17 Analyzed: 09/27/17**						
Nickel, Total	70.2	0.80	ug/l	50.0	24.6	91	70-130			
Zinc, Total	383	5.0	ug/l	50.0	335	95	70-130			
Matrix Spike Dup (W7I1241-MSD1)	**Source: 7I08049-02**			**Prepared: 09/21/17 Analyzed: 09/27/17**						
Nickel, Total	71.7	0.80	ug/l	50.0	24.6	94	70-130	2	30	
Zinc, Total	393	5.0	ug/l	50.0	335	115	70-130	2	30	
Batch: W7I1654 - EPA 200.8										
Blank (W7I1654-BLK1)				**Prepared & Analyzed: 09/28/17**						
Zinc, Total	ND	5.0	ug/l							
LCS (W7I1654-BS1)				**Prepared & Analyzed: 09/28/17**						
Zinc, Total	46.2	5.0	ug/l	50.0		92	85-115			
Matrix Spike (W7I1654-MS1)	**Source: 7I21041-01**			**Prepared & Analyzed: 09/28/17**						
Zinc, Total	49.6	5.0	ug/l	50.0	1.68	96	70-130			
Matrix Spike (W7I1654-MS2)	**Source: 7I21041-02**			**Prepared & Analyzed: 09/28/17**						
Zinc, Total	49.0	5.0	ug/l	50.0	1.70	95	70-130			
Matrix Spike Dup (W7I1654-MSD1)	**Source: 7I21041-01**			**Prepared & Analyzed: 09/28/17**						
Zinc, Total	48.3	5.0	ug/l	50.0	1.68	93	70-130	3	30	
Matrix Spike Dup (W7I1654-MSD2)	**Source: 7I21041-02**			**Prepared & Analyzed: 09/28/17**						
Zinc, Total	49.7	5.0	ug/l	50.0	1.70	96	70-130	1	30	
Batch: W7I1687 - EPA 200.7										
Blank (W7I1687-BLK1)				**Prepared & Analyzed: 09/29/17**						
Iron, Total	ND	10	ug/l							
LCS (W7I1687-BS1)				**Prepared & Analyzed: 09/29/17**						
Iron, Total	198	10	ug/l	200		99	85-115			
Matrix Spike (W7I1687-MS1)	**Source: 7I14070-11**			**Prepared & Analyzed: 09/29/17**						
Iron, Total	310	10	ug/l	200	116	97	70-130			
Matrix Spike (W7I1687-MS2)	**Source: 7I14070-12**			**Prepared & Analyzed: 09/29/17**						
Iron, Total	318	10	ug/l	200	116	101	70-130			
Matrix Spike Dup (W7I1687-MSD1)	**Source: 7I14070-11**			**Prepared & Analyzed: 09/29/17**						
Iron, Total	319	10	ug/l	200	116	101	70-130	3	30	
Matrix Spike Dup (W7I1687-MSD2)	**Source: 7I14070-12**			**Prepared & Analyzed: 09/29/17**						
Iron, Total	317	10	ug/l	200	116	100	70-130	0.3	30	

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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 11:56

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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FINAL REPORT

Work Orders:	7I21050	**Report Date:**	9/25/2017
		Received Date:	9/21/2017
Project:	Lead Testing	**Turnaround Time:**	1 workday
		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:
09/25/2017 10:37

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
1910124-ABE-GX/ WAES-7-C, Alias: 1709503, RegID: 1910124-ABE-GX	Myriam Cardenas	7I21050-01	Water	09/21/17 07:22	
1910124-ABE-GX/ WAES-7-D, Alias: 1709504, RegID: 1910124-ABE-GX	Myriam Cardenas	7I21050-02	Water	09/21/17 07:22	
1910124-ABE-IX/ WAES-9-C, Alias: 1709505, RegID: 1910124-ABE-IX	Myriam Cardenas	7I21050-03	Water	09/21/17 07:25	
1910124-ABE-JX/ WAES-10-A, Alias: 1709506, RegID: 1910124-ABE-JX	Myriam Cardenas	7I21050-04	Water	09/21/17 07:17	
1910124-ABE-JX/ WAES-10-B, Alias: 1709507, RegID: 1910124-ABE-JX	Myriam Cardenas	7I21050-05	Water	09/21/17 07:17	

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245 West Mountain
Pasadena, CA 91101

Project Number: Lead Testing

Project Manager: Mercedes Acevedo

Reported:
09/25/2017 10:37

Sample Results

Sample: 1910124-ABE-GX/ WAES-7-C, Alias: 1709503, RegID: 1910124-ABE-GX — Sampled: 09/21/17 7:22 by Myriam Cardenas

7I21050-01 (Water) Washington CC Site #2 - Supply Line - 1st Draw

Comments: Preserved at lab on 09/21/17 at 15:30 by AD

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7I1350	**Prepared:** 09/22/17 17:30				**Analyst:** aln
Lead, Total	13	5.0	ug/l	1	09/24/17 14:38	

Sample: 1910124-ABE-GX/ WAES-7-D, Alias: 1709504, RegID: 1910124-ABE-GX — Sampled: 09/21/17 7:22 by Myriam Cardenas

7I21050-02 (Water) Washington CC Site #2 - Supply Line - 2nd Draw

Comments: Preserved at lab on 09/21/17 at 15:30 by AD

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7I1350	**Prepared:** 09/22/17 17:30				**Analyst:** aln
Lead, Total	7.4	5.0	ug/l	1	09/24/17 14:39	

Sample: 1910124-ABE-IX/ WAES-9-C, Alias: 1709505, RegID: 1910124-ABE-IX — Sampled: 09/21/17 7:25 by Myriam Cardenas

7I21050-03 (Water) Washington CC Site #4 - Supply Line - 1st Draw

Comments: Preserved at lab on 09/21/17 at 15:30 by AD

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7I1350	**Prepared:** 09/22/17 17:30				**Analyst:** aln
Lead, Total	15	5.0	ug/l	1	09/24/17 14:41	

Sample: 1910124-ABE-JX/ WAES-10-A, Alias: 1709506, RegID: 1910124-ABE-JX — Sampled: 09/21/17 7:17 by Myriam Cardenas

7I21050-04 (Water) Washington CC Site #5 - 1st Draw

Comments: Preserved at lab on 09/21/17 at 15:30 by AD

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7I1350	**Prepared:** 09/22/17 17:30				**Analyst:** aln
Lead, Total	8.3	5.0	ug/l	1	09/24/17 14:42	

Sample: 1910124-ABE-JX/ WAES-10-B, Alias: 1709507, RegID: 1910124-ABE-JX — Sampled: 09/21/17 7:17 by Myriam Cardenas

7I21050-05 (Water) Washington CC Site #5 - 2nd Draw

Comments: Preserved at lab on 09/21/17 at 15:30 by AD

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7I1350	**Prepared:** 09/22/17 17:30				**Analyst:** aln
Lead, Total	5.4	5.0	ug/l	1	09/24/17 14:43	

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Project Number: Lead Testing

Project Manager: Mercedes Acevedo

Reported:
09/25/2017 10:37

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: W7I1350 - EPA 200.8										
Blank (W7I1350-BLK1)				**Prepared: 09/22/17**	**Analyzed: 09/24/17**					
Lead, Total	ND	5.0	ug/l							
LCS (W7I1350-BS1)				**Prepared: 09/22/17**	**Analyzed: 09/24/17**					
Lead, Total	52.2	5.0	ug/l	50.0		104	85-115			
Matrix Spike (W7I1350-MS1)	**Source: 7I21050-01**			**Prepared: 09/22/17**	**Analyzed: 09/24/17**					
Lead, Total	66.6	5.0	ug/l	50.0	12.5	108	70-130			
Matrix Spike Dup (W7I1350-MSD1)	**Source: 7I21050-01**			**Prepared: 09/22/17**	**Analyzed: 09/24/17**					
Lead, Total	64.8	5.0	ug/l	50.0	12.5	104	70-130	3	30	

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Project Number: Lead Testing

Project Manager: Mercedes Acevedo

Reported:
09/25/2017 10:37

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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FINAL REPORT

Work Orders:	7I26041	**Report Date:**	10/10/2017
		Received Date:	9/26/2017
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 9/26/17 with the Chain-of-Custody document. The samples were received in good condition, at 21.4 °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

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Pasadena, CA 91101

Project Number: Lead Testing

Project Manager: Mercedes Acevedo

Reported:
10/10/2017 10:15

Case Narrative

Report revised with corrected PS Codes per Myriam Cardenas on 10/10/17 CSS.

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
1910124-AAB-A/ BHS-1-A, Alias: 1709606, RegID: 1910124-AAB-A	Myriam Cardenas	7I26041-01	Water	09/26/17 06:25	
1910124-AAB-AX/ BHS-1-B, Alias: 1709607	Myriam Cardenas	7I26041-02	Water	09/26/17 06:25	
1910124-AAB-B/ BHS-2-A, Alias: 1709608, RegID: 1910124-AAB-B	Myriam Cardenas	7I26041-03	Water	09/26/17 06:35	
1910124-AAB-BX/ BHS-2-B, Alias: 1709609	Myriam Cardenas	7I26041-04	Water	09/26/17 06:35	
1910124-AAB-C/ BHS-3-A, Alias: 1709610, RegID: 1910124-AAB-C	Myriam Cardenas	7I26041-05	Water	09/26/17 06:30	
1910124-AAB-CX/ BHS-3-B, Alias: 1709611	Myriam Cardenas	7I26041-06	Water	09/26/17 06:30	
1910124-AAB-D/ BHS-4-A, Alias: 1709612, RegID: 1910124-AAB-D	Myriam Cardenas	7I26041-07	Water	09/26/17 06:20	
1910124-AAB-DX/ BHS-4-B, Alias: 1709613	Myriam Cardenas	7I26041-08	Water	09/26/17 06:20	
1910124-AAB-E/ BHS-5-A, Alias: 1709614, RegID: 1910124-AAB-E	Myriam Cardenas	7I26041-09	Water	09/26/17 06:17	
1910124-AAB-EX/ BHS-5-B, Alias: 1709615	Myriam Cardenas	7I26041-10	Water	09/26/17 06:17	
1910124-ABE-IX/ WAES-9-D, Alias: 1709616	Myriam Cardenas	7I26041-11	Water	09/26/17 07:01	
1910124-ABE-IX/ WAES-9-E, Alias: 1709617	Myriam Cardenas	7I26041-12	Water	09/26/17 07:01	
1910124-ABE-IX/ WAES-9-F, Alias: 1709618	Myriam Cardenas	7I26041-13	Water	09/26/17 07:01	
1910124-ABE-IX/ WAES-9-G, Alias: 1709619	Myriam Cardenas	7I26041-14	Water	09/26/17 07:01	
1910124-ABE-IX/ WAES-9-H, Alias: 1709620	Myriam Cardenas	7I26041-15	Water	09/26/17 07:01	

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245 West Mountain
Pasadena, CA 91101

Project Number: Lead Testing

Project Manager: Mercedes Acevedo

Reported:
10/10/2017 10:15

Sample Results

Sample: 1910124-AAB-A/ BHS-1-A, Alias: 1709606, RegID: 1910124-AAB-A — Sampled: 09/26/17 6:25 by Myriam Cardenas

7I26041-01 (Water) Blair High Site#1 - 1st Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8 **Batch ID:** W7I1530		**Prepared:** 09/27/17 08:14				**Analyst:** jck
Lead, Total	ND	5.0	ug/l	1	09/27/17 14:20	

Sample: 1910124-AAB-AX/ BHS-1-B, Alias: 1709607 — Sampled: 09/26/17 6:25 by Myriam Cardenas

7I26041-02 (Water) Blair High Site#1 - 2nd Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8 **Batch ID:** W7I1530		**Prepared:** 09/27/17 08:14				**Analyst:** jck
Lead, Total	ND	5.0	ug/l	1	09/27/17 14:22	

Sample: 1910124-AAB-B/ BHS-2-A, Alias: 1709608, RegID: 1910124-AAB-B — Sampled: 09/26/17 6:35 by Myriam Cardenas

7I26041-03 (Water) Blair High Site#2 - 1st Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8 **Batch ID:** W7I1530		**Prepared:** 09/27/17 08:14				**Analyst:** jck
Lead, Total	ND	5.0	ug/l	1	09/27/17 14:25	

Sample: 1910124-AAB-BX/ BHS-2-B, Alias: 1709609 — Sampled: 09/26/17 6:35 by Myriam Cardenas

7I26041-04 (Water) Blair High Site#2 - 2nd Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8 **Batch ID:** W7I1530		**Prepared:** 09/27/17 08:14				**Analyst:** jck
Lead, Total	ND	5.0	ug/l	1	09/27/17 14:27	

Sample: 1910124-AAB-C/ BHS-3-A, Alias: 1709610, RegID: 1910124-AAB-C — Sampled: 09/26/17 6:30 by Myriam Cardenas

7I26041-05 (Water) Blair High Site#3 - 1st Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8 **Batch ID:** W7I1530		**Prepared:** 09/27/17 08:14				**Analyst:** jck
Lead, Total	ND	5.0	ug/l	1	09/27/17 14:29	

Sample: 1910124-AAB-CX/ BHS-3-B, Alias: 1709611 — Sampled: 09/26/17 6:30 by Myriam Cardenas

7I26041-06 (Water) Blair High Site#3 - 2nd Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8 **Batch ID:** W7I1530		**Prepared:** 09/27/17 08:14				**Analyst:** jck
Lead, Total	ND	5.0	ug/l	1	09/27/17 14:31	

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245 West Mountain
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Project Number: Lead Testing

Project Manager: Mercedes Acevedo

Reported:
10/10/2017 10:15

Sample Results

(Continued)

Sample: 1910124-AAB-D/ BHS-4-A, Alias: 1709612, RegID: 1910124-AAB-D — Sampled: 09/26/17 6:20 by Myriam Cardenas

7I26041-07 (Water) Blair High Site#4 - 1st Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8 **Batch ID:** W7I1530		**Prepared:** 09/27/17 08:14				**Analyst:** jck
Lead, Total	ND	5.0	ug/l	1	09/27/17 14:33	

Sample: 1910124-AAB-DX/ BHS-4-B, Alias: 1709613 — Sampled: 09/26/17 6:20 by Myriam Cardenas

7I26041-08 (Water) Blair High Site#4 - 2nd Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8 **Batch ID:** W7I1530		**Prepared:** 09/27/17 08:14				**Analyst:** jck
Lead, Total	ND	5.0	ug/l	1	09/27/17 14:36	

Sample: 1910124-AAB-E/ BHS-5-A, Alias: 1709614, RegID: 1910124-AAB-E — Sampled: 09/26/17 6:17 by Myriam Cardenas

7I26041-09 (Water) Blair High Site#5 - 1st Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8 **Batch ID:** W7I1530		**Prepared:** 09/27/17 08:14				**Analyst:** jck
Lead, Total	ND	5.0	ug/l	1	09/27/17 14:38	

Sample: 1910124-AAB-EX/ BHS-5-B, Alias: 1709615 — Sampled: 09/26/17 6:17 by Myriam Cardenas

7I26041-10 (Water) Blair High Site#5 - 2nd Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8 **Batch ID:** W7I1530		**Prepared:** 09/27/17 08:14				**Analyst:** jck
Lead, Total	ND	5.0	ug/l	1	09/27/17 14:40	

Sample: 1910124-ABE-IX/ WAES-9-D, Alias: 1709616 — Sampled: 09/26/17 7:01 by Myriam Cardenas

7I26041-11 (Water) Washington CC Site#4 - Supply Line - 1st Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.7 **Batch ID:** W7I1687		**Prepared:** 09/29/17 08:13				**Analyst:** JCK
Iron, Total	**110**	10	ug/l	1	09/29/17 17:59	
Method: EPA 200.8 **Batch ID:** W7I1530		**Prepared:** 09/27/17 08:14				**Analyst:** jck
Copper, Total	**250**	0.50	ug/l	1	09/27/17 14:47	
Lead, Total	ND	5.0	ug/l	1	09/27/17 14:47	
Method: EPA 200.8 **Batch ID:** W7I1654		**Prepared:** 09/28/17 12:47				**Analyst:** jck
Zinc, Total	**180**	5.0	ug/l	1	09/28/17 16:17	

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Pasadena Water & Power
245 West Mountain
Pasadena, CA 91101

Project Number: Lead Testing

Project Manager: Mercedes Acevedo

Reported:
10/10/2017 10:15

Sample Results

(Continued)

Sample: 1910124-ABE-IX/ WAES-9-E, Alias: 1709617 — Sampled: 09/26/17 7:01 by Myriam Cardenas

7I26041-12 (Water) Washington CC Site#4 - Supply Line - 2nd Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.7	**Batch ID:** W7I1687	**Prepared:** 09/29/17 08:13				**Analyst:** JCK
Iron, Total	**76**	10	ug/l	1	09/29/17 18:02	
Method: EPA 200.8	**Batch ID:** W7I1530	**Prepared:** 09/27/17 08:14				**Analyst:** jck
Copper, Total	**230**	0.50	ug/l	1	09/27/17 14:49	
Lead, Total	ND	5.0	ug/l	1	09/27/17 14:49	
Method: EPA 200.8	**Batch ID:** W7I1654	**Prepared:** 09/28/17 12:47				**Analyst:** jck
Zinc, Total	**310**	5.0	ug/l	1	09/28/17 16:19	

Sample: 1910124-ABE-IX/ WAES-9-F, Alias: 1709618 — Sampled: 09/26/17 7:01 by Myriam Cardenas

7I26041-13 (Water) Washington CC Site#4 - Supply Line - 3rd Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.7	**Batch ID:** W7I1687	**Prepared:** 09/29/17 08:13				**Analyst:** JCK
Iron, Total	**74**	10	ug/l	1	09/29/17 18:05	
Method: EPA 200.8	**Batch ID:** W7I1530	**Prepared:** 09/27/17 08:14				**Analyst:** jck
Copper, Total	**200**	0.50	ug/l	1	09/27/17 14:51	
Lead, Total	ND	5.0	ug/l	1	09/27/17 14:51	
Method: EPA 200.8	**Batch ID:** W7I1654	**Prepared:** 09/28/17 12:47				**Analyst:** jck
Zinc, Total	**110**	5.0	ug/l	1	09/28/17 16:21	

Sample: 1910124-ABE-IX/ WAES-9-G, Alias: 1709619 — Sampled: 09/26/17 7:01 by Myriam Cardenas

7I26041-14 (Water) Washington CC Site#4 - Supply Line - 4th Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.7	**Batch ID:** W7I1687	**Prepared:** 09/29/17 08:13				**Analyst:** JCK
Iron, Total	**75**	10	ug/l	1	09/29/17 18:08	
Method: EPA 200.8	**Batch ID:** W7I1530	**Prepared:** 09/27/17 08:14				**Analyst:** jck
Copper, Total	**160**	0.50	ug/l	1	09/27/17 14:53	
Lead, Total	ND	5.0	ug/l	1	09/27/17 14:53	
Method: EPA 200.8	**Batch ID:** W7I1654	**Prepared:** 09/28/17 12:47				**Analyst:** jck
Zinc, Total	**100**	5.0	ug/l	1	09/28/17 16:23	

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245 West Mountain
Pasadena, CA 91101

Project Number: Lead Testing

Project Manager: Mercedes Acevedo

Reported:
10/10/2017 10:15

Sample Results

(Continued)

Sample: 1910124-ABE-IX/ WAES-9-H, Alias: 1709620 — Sampled: 09/26/17 7:01 by Myriam Cardenas

7I26041-15 (Water) Washington CC Site#4 - Supply Line - 5th Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.7	**Batch ID:** W7I1687	**Prepared:** 09/29/17 08:13				**Analyst:** JCK
Iron, Total	**85**	10	ug/l	1	09/29/17 18:11	
Method: EPA 200.8	**Batch ID:** W7I1530	**Prepared:** 09/27/17 08:14				**Analyst:** jck
Copper, Total	**96**	0.50	ug/l	1	09/27/17 14:56	
Lead, Total	ND	5.0	ug/l	1	09/27/17 14:56	
Method: EPA 200.8	**Batch ID:** W7I1654	**Prepared:** 09/28/17 12:47				**Analyst:** jck
Zinc, Total	**170**	5.0	ug/l	1	09/28/17 16:25	

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Project Number: Lead Testing

Project Manager: Mercedes Acevedo

Reported:
10/10/2017 10:15

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: W7I1530 - EPA 200.8										
Blank (W7I1530-BLK1)				**Prepared & Analyzed: 09/27/17**						
Copper, Total	ND	0.50	ug/l							
Lead, Total	ND	5.0	ug/l							
LCS (W7I1530-BS1)				**Prepared & Analyzed: 09/27/17**						
Copper, Total	43.4	0.50	ug/l	50.0		87	85-115			
Lead, Total	44.9	5.0	ug/l	50.0		90	85-115			
Matrix Spike (W7I1530-MS1)	**Source: 7I26041-01**			**Prepared & Analyzed: 09/27/17**						
Copper, Total	52.7	0.50	ug/l	50.0	9.36	87	70-130			
Lead, Total	46.4	5.0	ug/l	50.0	2.89	87	70-130			
Matrix Spike (W7I1530-MS2)	**Source: 7I26041-02**			**Prepared & Analyzed: 09/27/17**						
Copper, Total	85.3	0.50	ug/l	50.0	39.9	91	70-130			
Lead, Total	46.8	5.0	ug/l	50.0	2.97	88	70-130			
Matrix Spike Dup (W7I1530-MSD1)	**Source: 7I26041-01**			**Prepared & Analyzed: 09/27/17**						
Copper, Total	53.2	0.50	ug/l	50.0	9.36	88	70-130	1	30	
Lead, Total	46.5	5.0	ug/l	50.0	2.89	87	70-130	0.2	30	
Matrix Spike Dup (W7I1530-MSD2)	**Source: 7I26041-02**			**Prepared & Analyzed: 09/27/17**						
Copper, Total	83.5	0.50	ug/l	50.0	39.9	87	70-130	2	30	
Lead, Total	46.7	5.0	ug/l	50.0	2.97	87	70-130	0.2	30	
Batch: W7I1654 - EPA 200.8										
Blank (W7I1654-BLK1)				**Prepared & Analyzed: 09/28/17**						
Zinc, Total	ND	5.0	ug/l							
LCS (W7I1654-BS1)				**Prepared & Analyzed: 09/28/17**						
Zinc, Total	46.2	5.0	ug/l	50.0		92	85-115			
Matrix Spike (W7I1654-MS1)	**Source: 7I21041-01**			**Prepared & Analyzed: 09/28/17**						
Zinc, Total	49.6	5.0	ug/l	50.0	1.68	96	70-130			
Matrix Spike (W7I1654-MS2)	**Source: 7I21041-02**			**Prepared & Analyzed: 09/28/17**						
Zinc, Total	49.0	5.0	ug/l	50.0	1.70	95	70-130			
Matrix Spike Dup (W7I1654-MSD1)	**Source: 7I21041-01**			**Prepared & Analyzed: 09/28/17**						
Zinc, Total	48.3	5.0	ug/l	50.0	1.68	93	70-130	3	30	
Matrix Spike Dup (W7I1654-MSD2)	**Source: 7I21041-02**			**Prepared & Analyzed: 09/28/17**						
Zinc, Total	49.7	5.0	ug/l	50.0	1.70	96	70-130	1	30	
Batch: W7I1687 - EPA 200.7										
Blank (W7I1687-BLK1)				**Prepared & Analyzed: 09/29/17**						
Iron, Total	ND	10	ug/l							
LCS (W7I1687-BS1)				**Prepared & Analyzed: 09/29/17**						
Iron, Total	198	10	ug/l	200		99	85-115			
Matrix Spike (W7I1687-MS1)	**Source: 7I14070-11**			**Prepared & Analyzed: 09/29/17**						

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Project Number: Lead Testing

Project Manager: Mercedes Acevedo

Reported:
10/10/2017 10:15

Quality Control Results

(Continued)

Metals by EPA 200 Series Methods (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W7I1687 - EPA 200.7 (Continued)										
Matrix Spike (W7I1687-MS1)	**Source: 7I14070-11**			**Prepared & Analyzed: 09/29/17**						
Iron, Total	310	10	ug/l	200	116	97	70-130			
Matrix Spike (W7I1687-MS2)	**Source: 7I14070-12**			**Prepared & Analyzed: 09/29/17**						
Iron, Total	318	10	ug/l	200	116	101	70-130			
Matrix Spike Dup (W7I1687-MSD1)	**Source: 7I14070-11**			**Prepared & Analyzed: 09/29/17**						
Iron, Total	319	10	ug/l	200	116	101	70-130	3	30	
Matrix Spike Dup (W7I1687-MSD2)	**Source: 7I14070-12**			**Prepared & Analyzed: 09/29/17**						
Iron, Total	317	10	ug/l	200	116	100	70-130	0.3	30	

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Project Number: Lead Testing

Project Manager: Mercedes Acevedo

Reported:
10/10/2017 10:15

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:	7K01053	**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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245 West Mountain
Pasadena, CA 91101

Project Number: Lead Testing

Project Manager: Mercedes Acevedo

Reported:
11/09/2017 10:36

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
1910124-ABE-GX/ WAES-7-E, Alias: 1710654	Myriam Cardenas	7K01053-01	Water	10/26/17 06:30	
1910124-ABE-GX/ WAES-7-F, Alias: 1710655	Myriam Cardenas	7K01053-02	Water	10/26/17 06:30	
1910124-ABE-IX/ WAES-9-I, Alias: 1710656	Myriam Cardenas	7K01053-03	Water	10/26/17 06:26	
1910124-ABE-IX/ WAES-9-J, Alias: 1710657	Myriam Cardenas	7K01053-04	Water	10/26/17 06:26	
1910124-ABE-JX/ WAES-10-C, Alias: 1710658	Myriam Cardenas	7K01053-05	Water	10/26/17 07:03	
1910124-ABE-JX/ WAES-10-D, Alias: 1710659	Myriam Cardenas	7K01053-06	Water	10/26/17 07:03	

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Project Number: Lead Testing

Project Manager: Mercedes Acevedo

Reported:
11/09/2017 10:36

Sample Results

Sample: 1910124-ABE-GX/ WAES-7-E, Alias: 1710654 — Sampled: 10/26/17 6:30 by Myriam Cardenas

7K01053-01 (Water) Washington CC Site #2 - 10/26 Resample - 1st 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 19:51	

Sample: 1910124-ABE-GX/ WAES-7-F, Alias: 1710655 — Sampled: 10/26/17 6:30 by Myriam Cardenas

7K01053-02 (Water) Washington CC Site #2 - 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 19:54	

Sample: 1910124-ABE-IX/ WAES-9-I, Alias: 1710656 — Sampled: 10/26/17 6:26 by Myriam Cardenas

7K01053-03 (Water) Washington CC Site #4 - 10/26 Resample - 1st 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	**11**	5.0	ug/l	1	11/06/17 19:57	

Sample: 1910124-ABE-IX/ WAES-9-J, Alias: 1710657 — Sampled: 10/26/17 6:26 by Myriam Cardenas

7K01053-04 (Water) Washington CC Site #4 - 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 20:00	

Sample: 1910124-ABE-JX/ WAES-10-C, Alias: 1710658 — Sampled: 10/26/17 7:03 by Myriam Cardenas

7K01053-05 (Water) Washington CC Site #5 - 10/26 Resample - 1st 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	**14**	5.0	ug/l	1	11/06/17 20:03	

Sample: 1910124-ABE-JX/ WAES-10-D, Alias: 1710659 — Sampled: 10/26/17 7:03 by Myriam Cardenas

7K01053-06 (Water) Washington CC Site #5 - 10/26 Resample - 2nd 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	**7.8**	5.0	ug/l	1	11/07/17 13:07	

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Project Number: Lead Testing

Project Manager: Mercedes Acevedo

Reported:
11/09/2017 10:36

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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245 West Mountain
Pasadena, CA 91101

Project Number: Lead Testing

Project Manager: Mercedes Acevedo

Reported:
11/09/2017 10:36

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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Washington CC Results Summary

Readable extract from the district summary spreadsheet. This is a district summary, not a laboratory certificate. Location and result cell text is retained; photographs appear separately in this packet.

No.	Location / fixture (source columns B-E)	2017-09-14 Lead, ppb	2017-09-21 Lead, ppb	2017-09-26 Lead, ppb
1	MAIN BUILDING KITCHEN NEXT TO OFFICE SINK FAUCET	1st Draw - ND 2nd Draw - ND	No entry	No entry
2	MAIN BUILDING PLAYGROUND OUTSIDE KITCHEN DRINKING FAUCET (LEFT BUBBLER)	1st Draw - 8.3 2nd Draw - 7.6	Supply Line 1st Draw - 13 Supply Line 2nd Draw - 7.4	No entry
3	ROOM 2 LUNCH AREA OUTSIDE ROOM 2 DRINKING FAUCET (LEFT BUBBLER)	1st Draw - ND 2nd Draw - ND	No entry	No entry
4	ROOM 3 PLAYGROUND OUTSIDE ROOM 3 DRINKING FAUCET (LEFT BUBBLER)	1st Draw - 5.4 2nd Draw - ND	Supply Line 1st Draw - 15	Supply Line 1st Draw - ND 2nd Draw - ND 3rd Draw - ND 4th Draw - ND 5th Draw - ND
5	ROOM 1 INSIDE CLASstOOM DRINKING FAUCET	No entry	1st Draw - 8.3 2nd Draw - 5.4	No entry

Original district spreadsheet: Washington CC Results Summary.xlsx

Blank source cells are shown as "No entry". ND means not detected at the applicable reporting limit; it does not mean zero. Historical 2017 records only.

Pasadena Unified School District
Lead Sampling Plan

School Site: **Washington Children Center**

Address **130 Penn St. Pasadena**

No.	**Building** (Letter/ Name)	**Floor No.**	**Location Description** (Hallway/Kitchen/Café/ Classroom)	**Proximity to** (Room number or next to)	**Type of faucet** (Drinking Fountain/Sink)	**Photo**
1	MAIN BUILDING		KITCHEN	NEXT TO OFFICE	SINK FAUCET	
2	MAIN BUILDING		PLAYGROUND	OUTSIDE KITCHEN	DRINKING FAUCET	
3	ROOM 2		LUNCH AREA	OUTSIDE ROOM 2	DRINKING FAUCET	
4	ROOM 3		PLAYGROUND	OUTSIDE ROOM 3	DRINKING FAUCET	
5						

SCHOOL NAME: WASHINGTON CC

SAMPLE #1





SAMPLE#2

SAMPLE# 3



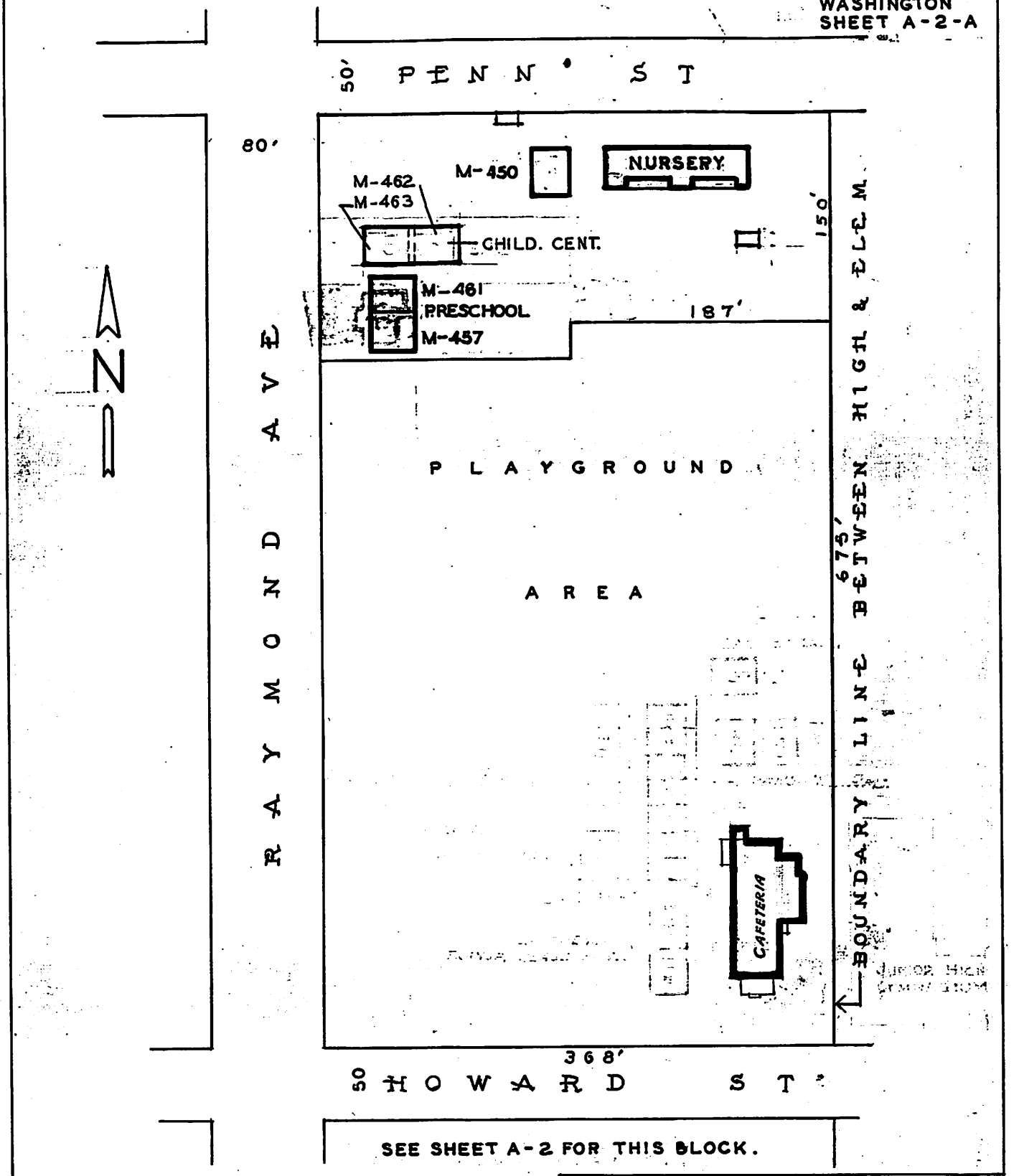
SAMPLE# 4



SAMPLE# 5

N/A

WASHINGTON
SHEET A-2-A



SEE SHEET A-2 FOR THIS BLOCK.

PASADENA UNIFIED SCHOOL DISTRICT
PASADENA, CALIFORNIA
PLANNING & CONSTRUCTION SERVICES

WASHINGTON ELEM. SCHOOL
PLOT PLAN

JUNE 1944 SCALE 1"=100'

12-69	
11-68	
9-67	~~3-79~~
11-66	12-74
4-65	9-73
7-64	5-72
REV. 7-63	8-70