Pasadena Unified School District

John Muir High

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

John Muir High Lead Results | pages 2-7

John Muir High 10-26-17 Resample Lead Results | pages 8-12

John Muir High 11-28-17 Resample Lead Results | pages 13-17

Lead-Testing-PWP-John Muir High | pages 18-24

Sampling location photographs | pages 25-26

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:	7J12056	**Report Date:**	10/31/2017
		Received Date:	10/12/2017
Project:	Lead Testing	**Turnaround Time:**	Normal
		Phones:	(626) 744-7910
		Fax:	-
Attn:	Mercedes Acevedo	**P.O. #:**	1180024-00
Client:	Pasadena Water & Power 245 West Mountain Pasadena, CA 91101	**Billing Code:**	

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

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

Dear Mercedes Acevedo,

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

Reviewed by:

Chris Samatmanakit
Project Manager

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

www.wecklabs.com

Pasadena Water & Power
245 West Mountain
Pasadena, CA 91101

Project Number: Lead Testing

Project Manager: Mercedes Acevedo

Reported:
10/31/2017 10:41

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
1910124-ACB-A/ JMHS-1-A, Alias: 1710297, RegID: 1910124-ACB-A	Myriam Cardenas	7J12056-01	Water	10/12/17 06:19	
1910124-ACB-AX/ JMHS-1-A, Alias: 1710298	Myriam Cardenas	7J12056-02	Water	10/12/17 06:19	
1910124-ACB-B/ JMHS-2-A, Alias: 1710299, RegID: 1910124-ACB-B	Myriam Cardenas	7J12056-03	Water	10/12/17 06:10	
1910124-ACB-BX/ JMHS-2-B, Alias: 1710300	Myriam Cardenas	7J12056-04	Water	10/12/17 06:10	
1910124-ACB-C/ JMHS-3-A, Alias: 1710301, RegID: 1910124-ACB-C	Myriam Cardenas	7J12056-05	Water	10/12/17 06:23	
1910124-ACB-CX/ JMHS-3-A, Alias: 1710302	Myriam Cardenas	7J12056-06	Water	10/12/17 06:23	
1910124-ACB-D/ JMHS-4-A, Alias: 1710303, RegID: 1910124-ACB-D	Myriam Cardenas	7J12056-07	Water	10/12/17 06:29	
1910124-ACB-DX/ JMHS-4-A, Alias: 1710304	Myriam Cardenas	7J12056-08	Water	10/12/17 06:29	
1910124-ACB-E/ JMHS-5-A, Alias: 1710305, RegID: 1910124-ACB-E	Myriam Cardenas	7J12056-09	Water	10/12/17 06:35	
1910124-ACB-EX/ JMHS-5-B, Alias: 1710306	Myriam Cardenas	7J12056-10	Water	10/12/17 06:35	

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Pasadena Water & Power
245 West Mountain
Pasadena, CA 91101

Project Number: Lead Testing

Project Manager: Mercedes Acevedo

Reported:
10/31/2017 10:41

Sample Results

Sample: 1910124-ACB-A/ JMHS-1-A, Alias: 1710297, RegID: 1910124-ACB-A — Sampled: 10/12/17 6:19 by Myriam Cardenas

7J12056-01 (Water) John Muir High Site #1 - 1st Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8 **Batch ID:** W7J0878 **Prepared:** 10/16/17 11:00 **Analyst:** JEA						
Lead, Total	7.6	5.0	ug/l	1	10/19/17 15:05	

Sample: 1910124-ACB-AX/ JMHS-1-A, Alias: 1710298 — Sampled: 10/12/17 6:19 by Myriam Cardenas

7J12056-02 (Water) John Muir High Site #1 - 2nd Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8 **Batch ID:** W7J0878 **Prepared:** 10/16/17 11:00 **Analyst:** JEA						
Lead, Total	ND	5.0	ug/l	1	10/19/17 15:07	

Sample: 1910124-ACB-B/ JMHS-2-A, Alias: 1710299, RegID: 1910124-ACB-B — Sampled: 10/12/17 6:10 by Myriam Cardenas

7J12056-03 (Water) John Muir High Site #2 - 1st Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8 **Batch ID:** W7J0878 **Prepared:** 10/16/17 11:00 **Analyst:** JEA						
Lead, Total	ND	5.0	ug/l	1	10/19/17 15:08	

Sample: 1910124-ACB-BX/ JMHS-2-B, Alias: 1710300 — Sampled: 10/12/17 6:10 by Myriam Cardenas

7J12056-04 (Water) John Muir High Site #2 - 2nd Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8 **Batch ID:** W7J0878 **Prepared:** 10/16/17 11:00 **Analyst:** JEA						
Lead, Total	ND	5.0	ug/l	1	10/19/17 15:10	

Sample: 1910124-ACB-C/ JMHS-3-A, Alias: 1710301, RegID: 1910124-ACB-C — Sampled: 10/12/17 6:23 by Myriam Cardenas

7J12056-05 (Water) John Muir High Site #3 - 1st Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8 **Batch ID:** W7J0878 **Prepared:** 10/16/17 11:00 **Analyst:** JEA						
Lead, Total	ND	5.0	ug/l	1	10/19/17 15:12	

Sample: 1910124-ACB-CX/ JMHS-3-A, Alias: 1710302 — Sampled: 10/12/17 6:23 by Myriam Cardenas

7J12056-06 (Water) John Muir High Site #3 - 2nd Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8 **Batch ID:** W7J0878 **Prepared:** 10/16/17 11:00 **Analyst:** JEA						
Lead, Total	ND	5.0	ug/l	1	10/19/17 15:14	

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Pasadena Water & Power
245 West Mountain
Pasadena, CA 91101

Project Number: Lead Testing

Project Manager: Mercedes Acevedo

Reported:
10/31/2017 10:41

Sample Results

(Continued)

Sample: 1910124-ACB-D/ JMHS-4-A, Alias: 1710303, RegID: 1910124-ACB-D — Sampled: 10/12/17 6:29 by Myriam Cardenas

7J12056-07 (Water) John Muir High Site #4 - 1st Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7J0878	**Prepared:** 10/16/17 11:00				**Analyst:** JEA
Lead, Total	ND	5.0	ug/l	1	10/19/17 15:15	

Sample: 1910124-ACB-DX/ JMHS-4-A, Alias: 1710304 — Sampled: 10/12/17 6:29 by Myriam Cardenas

7J12056-08 (Water) John Muir High Site #4 - 2nd Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7J0878	**Prepared:** 10/16/17 11:00				**Analyst:** JEA
Lead, Total	ND	5.0	ug/l	1	10/19/17 15:17	

Sample: 1910124-ACB-E/ JMHS-5-A, Alias: 1710305, RegID: 1910124-ACB-E — Sampled: 10/12/17 6:35 by Myriam Cardenas

7J12056-09 (Water) John Muir High Site #5 - 1st Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7J0878	**Prepared:** 10/16/17 11:00				**Analyst:** JEA
Lead, Total	11	5.0	ug/l	1	10/19/17 15:19	

Sample: 1910124-ACB-EX/ JMHS-5-B, Alias: 1710306 — Sampled: 10/12/17 6:35 by Myriam Cardenas

7J12056-10 (Water) John Muir High Site #5 - 2nd Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7J0878	**Prepared:** 10/16/17 11:00				**Analyst:** JEA
Lead, Total	5.8	5.0	ug/l	1	10/19/17 15:21	

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Pasadena Water & Power
245 West Mountain
Pasadena, CA 91101

Project Number: Lead Testing

Project Manager: Mercedes Acevedo

Reported:
10/31/2017 10:41

Quality Control Results

Metals by EPA 200 Series Methods

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

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Pasadena Water & Power
245 West Mountain
Pasadena, CA 91101

Project Number: Lead Testing

Project Manager: Mercedes Acevedo

Reported:
10/31/2017 10:41

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:	7K01051	**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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Pasadena Water & Power
245 West Mountain
Pasadena, CA 91101

Project Number: Lead Testing

Project Manager: Mercedes Acevedo

Reported:
11/09/2017 10:18

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
1910124-ACB-A/ JMHS-1-C, Alias: 1710650, RegID: 1910124-ACB-A	Myriam Cardenas	7K01051-01	Water	10/26/17 06:52	
1910124-ACB-AX/ JMHS-1-D, Alias: 1710651	Myriam Cardenas	7K01051-02	Water	10/26/17 06:52	
1910124-ACB-E/ JMHS-5-C, Alias: 1710652, RegID: 1910124-ACB-E	Myriam Cardenas	7K01051-03	Water	10/26/17 06:47	
1910124-ACB-EX/ JMHS-5-D, Alias: 1710653	Myriam Cardenas	7K01051-04	Water	10/26/17 06:47	

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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 10:18

Sample Results

Sample: 1910124-ACB-A/ JMHS-1-C, Alias: 1710650, RegID: 1910124-ACB-A — Sampled: 10/26/17 6:52 by Myriam Cardenas

7K01051-01 (Water) John Muir 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	9.0	5.0	ug/l	1	11/07/17 13:05	

Sample: 1910124-ACB-AX/ JMHS-1-D, Alias: 1710651 — Sampled: 10/26/17 6:52 by Myriam Cardenas

7K01051-02 (Water) John Muir 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	5.3	5.0	ug/l	1	11/06/17 19:42	

Sample: 1910124-ACB-E/ JMHS-5-C, Alias: 1710652, RegID: 1910124-ACB-E — Sampled: 10/26/17 6:47 by Myriam Cardenas

7K01051-03 (Water) John Muir 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	9.6	5.0	ug/l	1	11/06/17 19:45	

Sample: 1910124-ACB-EX/ JMHS-5-D, Alias: 1710653 — Sampled: 10/26/17 6:47 by Myriam Cardenas

7K01051-04 (Water) John Muir 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:** W7K0282	**Prepared:** 11/06/17 14:38				**Analyst:** MTT
Lead, Total	6.9	5.0	ug/l	1	11/06/17 19:48	

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Pasadena Water & Power
245 West Mountain
Pasadena, CA 91101

Project Number: Lead Testing

Project Manager: Mercedes Acevedo

Reported:
11/09/2017 10:18

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
245 West Mountain
Pasadena, CA 91101

Project Number: Lead Testing

Project Manager: Mercedes Acevedo

Reported:
11/09/2017 10:18

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
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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)
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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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WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

Work Orders:	7K30023	**Report Date:**	12/07/2017
		Received Date:	11/30/2017
Project:	Lead Testing	**Turnaround Time:**	5 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 11/30/17 with the Chain-of-Custody document. The samples were received in good condition, at 22.1 °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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Certificate of Analysis

FINAL REPORT

Pasadena Water & Power
245 West Mountain
Pasadena, CA 91101

Project Number: Lead Testing

Project Manager: Mercedes Acevedo

Reported:
12/07/2017 17:00

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
1910124-ACB-A/ JMHS-1-E, Alias: 1711699, RegID: 1910124-ACB-A	Myriam Cardenas	7K30023-01	Water	11/28/17 06:55	
1910124-ACB-AX/ JMHS-1-F, Alias: 1711700	Myriam Cardenas	7K30023-02	Water	11/28/17 06:55	

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Pasadena Water & Power
245 West Mountain
Pasadena, CA 91101

Project Number: Lead Testing

Project Manager: Mercedes Acevedo

Reported:
12/07/2017 17:00

Sample Results

Sample: 1910124-ACB-A/ JMHS-1-E, Alias: 1711699, RegID: 1910124-ACB-A — Sampled: 11/28/17 6:55 by Myriam Cardenas

7K30023-01 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7L0121	**Prepared:** 12/04/17 13:30				**Analyst:** mtt
Lead, Total	ND	5.0	ug/l	1	12/06/17 19:45	

Sample: 1910124-ACB-AX/ JMHS-1-F, Alias: 1711700 — Sampled: 11/28/17 6:55 by Myriam Cardenas

7K30023-02 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7L0121	**Prepared:** 12/04/17 13:30				**Analyst:** mtt
Lead, Total	ND	5.0	ug/l	1	12/06/17 19:47	

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Pasadena Water & Power
245 West Mountain
Pasadena, CA 91101

Project Number: Lead Testing

Project Manager: Mercedes Acevedo

Reported:
12/07/2017 17:00

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: W7L0121 - EPA 200.8										
Blank (W7L0121-BLK1)				**Prepared: 12/04/17**	**Analyzed: 12/06/17**					
Lead, Total	ND	5.0	ug/l							
LCS (W7L0121-BS1)				**Prepared: 12/04/17**	**Analyzed: 12/06/17**					
Lead, Total	48.9	5.0	ug/l	50.0		98	85-115			
Matrix Spike (W7L0121-MS1)	**Source: 7K30021-01**			**Prepared: 12/04/17**	**Analyzed: 12/06/17**					
Lead, Total	52.1	5.0	ug/l	50.0	2.25	100	70-130			
Matrix Spike (W7L0121-MS2)	**Source: 7K30021-02**			**Prepared: 12/04/17**	**Analyzed: 12/06/17**					
Lead, Total	51.6	5.0	ug/l	50.0	1.63	100	70-130			
Matrix Spike Dup (W7L0121-MSD1)	**Source: 7K30021-01**			**Prepared: 12/04/17**	**Analyzed: 12/06/17**					
Lead, Total	51.6	5.0	ug/l	50.0	2.25	99	70-130	1	30	
Matrix Spike Dup (W7L0121-MSD2)	**Source: 7K30021-02**			**Prepared: 12/04/17**	**Analyzed: 12/06/17**					
Lead, Total	53.4	5.0	ug/l	50.0	1.63	104	70-130	3	30	

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12/07/2017 17:00

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
John Muir High School
Lead Sampling Plan

Water System Name: Pasadena Water & Power

Water System Number:1910124

School Name:___John Muir High School_____

School Address:__1905 North Lincoln Ave., Pasadena, CA 91103-1315___

Meeting Date:_____

PWP Representative:



Myriam Cardenas
Principal Chemist

Pasadena Unified School District Representative:

_____
Signature & Date

_____
Print Name

Sample Recordkeeping Form

Sample No. 1

Name of Building: Canteen/1st Floor

Location Description: Kitchen

Type of Outlet: Sink Faucet

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



Sample Recordkeeping Form

Sample No. 2

Name of Building: A-Building/2nd Floor

Location Description: Hallway/ Next to A-178

Type of Outlet: Indoor Fountain/Left Bubbler

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



Sample Recordkeeping Form

Sample No. 3

Name of Building: E-Building/ist Floor

Location Description: Outside Rm E-511/Near Double Doors

Type of Outlet: Indoor Fountain

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



Sample Recordkeeping Form

Sample No. 4

Name of Building:___D-Building/1st Floor___

Location Description:_ Inside Hallway/ Near Rm D-415

Type of Outlet:__Inside Fountain/Upper

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



Sample Recordkeeping Form

Sample No. 5

Name of Building:___M-Building Service/1st Floor_____

Location Description:_Behind M Building_____

Type of Outlet:__Outside Fountain/Right Bubbler_____

Sample I.D.:___1910124-ACB-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

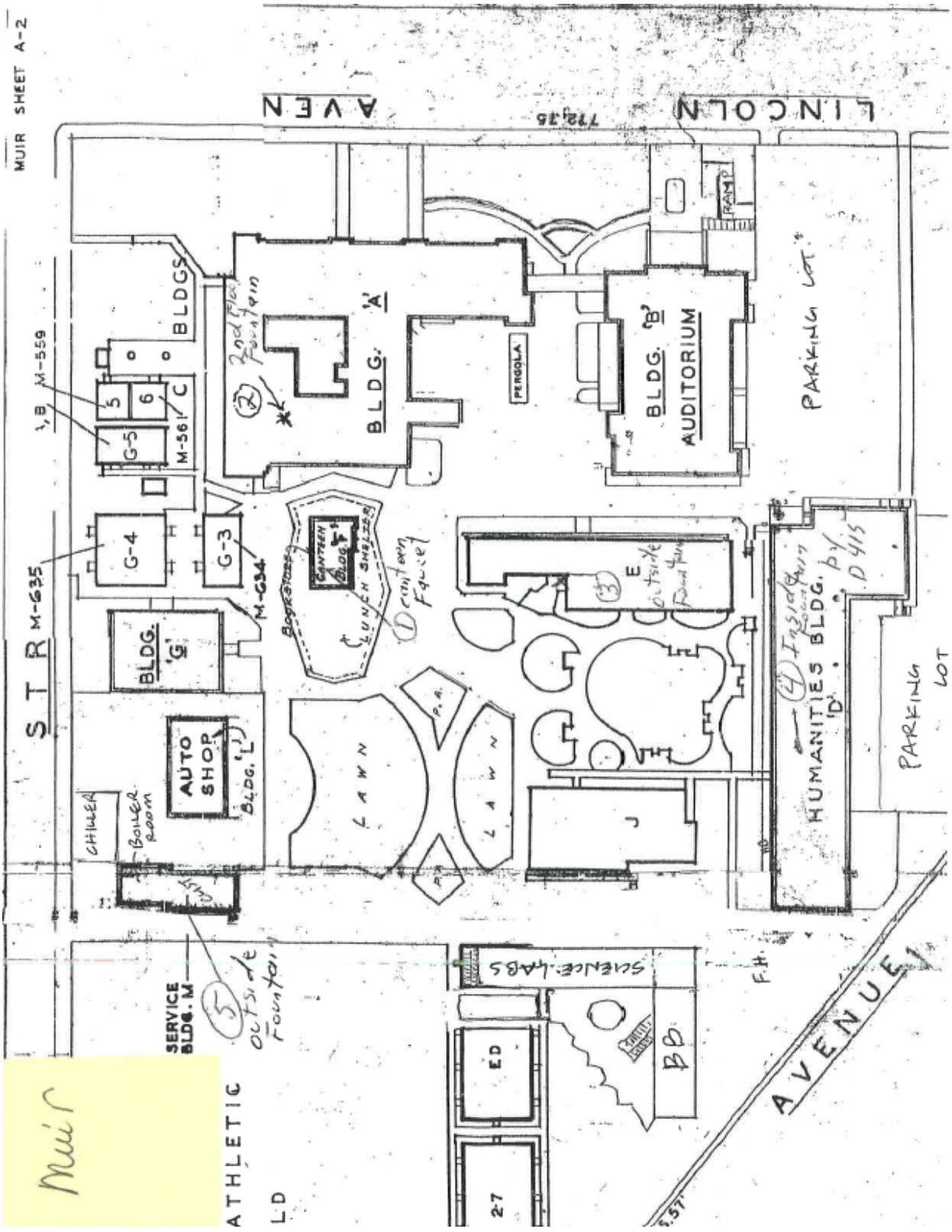
Lead Concentration (ppb):_____

NOTES:

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



Sample Location Map



SCHOOL NAME: MUIR HS

SAMPLE #1



SAMPLE#2



SAMPLE# 3



SAMPLE# 4



SAMPLE# 5

