Pasadena Unified School District

District Service 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.

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

Documents included

District Service Center Lead Results | pages 2-7

District results summary - District Service Center Results Summary 12-19-17 | page 8

DSC-DISTRICT SERVICE CENTER | page 9

Sampling location photographs | pages 10-11

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:	7K30020	**Report Date:**	12/15/2017
		Received Date:	11/30/2017
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 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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Pasadena Water & Power
245 West Mountain
Pasadena, CA 91101

Project Number: Lead Testing

Project Manager: Mercedes Acevedo

Reported:
12/15/2017 10:23

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
PUSD/ DSC-1-A, Alias: 1711504	Myriam Cardenas	7K30020-01	Water	11/21/17 06:07	
PUSD/ DSC-1-B, Alias: 1711505	Myriam Cardenas	7K30020-02	Water	11/21/17 06:07	
PUSD/ DSC-2-A, Alias: 1711506	Myriam Cardenas	7K30020-03	Water	11/21/17 06:12	
PUSD/ DSC-2-B, Alias: 1711507	Myriam Cardenas	7K30020-04	Water	11/21/17 06:12	
PUSD/ DSC-3-A, Alias: 1711508	Myriam Cardenas	7K30020-05	Water	11/21/17 06:32	
PUSD/ DSC-3-B, Alias: 1711509	Myriam Cardenas	7K30020-06	Water	11/21/17 06:32	
PUSD/ DSC-4-A, Alias: 1711510	Myriam Cardenas	7K30020-07	Water	11/21/17 06:19	
PUSD/ DSC-4-B, Alias: 1711511	Myriam Cardenas	7K30020-08	Water	11/21/17 06:19	
PUSD/ DSC-5-A, Alias: 1711512	Myriam Cardenas	7K30020-09	Water	11/21/17 06:25	
PUSD/ DSC-5-B, Alias: 1711513	Myriam Cardenas	7K30020-10	Water	11/21/17 06:25	

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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:
12/15/2017 10:23

Sample Results

Sample: PUSD/ DSC-1-A, Alias: 1711504 — Sampled: 11/21/17 6:07 by Myriam Cardenas

7K30020-01 (Water) District Service Center Site #1 - 1st Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7L0120	**Prepared:** 12/04/17 13:28				**Analyst:** mtt
Lead, Total	7.5	5.0	ug/l	1	12/06/17 20:34	

Sample: PUSD/ DSC-1-B, Alias: 1711505 — Sampled: 11/21/17 6:07 by Myriam Cardenas

7K30020-02 (Water) District Service Center Site #1 - 2nd Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7L0120	**Prepared:** 12/04/17 13:28				**Analyst:** mtt
Lead, Total	11	5.0	ug/l	1	12/06/17 20:37	

Sample: PUSD/ DSC-2-A, Alias: 1711506 — Sampled: 11/21/17 6:12 by Myriam Cardenas

7K30020-03 (Water) District Service Center Site #2 - 1st Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7L0120	**Prepared:** 12/04/17 13:28				**Analyst:** mtt
Lead, Total	5.3	5.0	ug/l	1	12/06/17 20:39	

Sample: PUSD/ DSC-2-B, Alias: 1711507 — Sampled: 11/21/17 6:12 by Myriam Cardenas

7K30020-04 (Water) District Service Center Site #2 - 2nd Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7L0120	**Prepared:** 12/04/17 13:28				**Analyst:** mtt
Lead, Total	6.0	5.0	ug/l	1	12/06/17 20:42	

Sample: PUSD/ DSC-3-A, Alias: 1711508 — Sampled: 11/21/17 6:32 by Myriam Cardenas

7K30020-05 (Water) District Service Center Site #3 - 1st Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7L0588	**Prepared:** 12/12/17 11:04				**Analyst:** jea
Lead, Total	8.9	5.0	ug/l	1	12/13/17 11:41	

Sample: PUSD/ DSC-3-B, Alias: 1711509 — Sampled: 11/21/17 6:32 by Myriam Cardenas

7K30020-06 (Water) District Service Center Site #3 - 2nd Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7L0588	**Prepared:** 12/12/17 11:04				**Analyst:** jea
Lead, Total	ND	5.0	ug/l	1	12/13/17 11:43	

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Project Manager: Mercedes Acevedo

Reported:
12/15/2017 10:23

Sample Results

(Continued)

Sample: PUSD/ DSC-4-A, Alias: 1711510 — Sampled: 11/21/17 6:19 by Myriam Cardenas

7K30020-07 (Water) District Service Center Site #4 - 1st Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7L0120	**Prepared:** 12/04/17 13:28				**Analyst:** mtt
Lead, Total	**34**	5.0	ug/l	1	12/06/17 20:44	

Sample: PUSD/ DSC-4-B, Alias: 1711511 — Sampled: 11/21/17 6:19 by Myriam Cardenas

7K30020-08 (Water) District Service Center Site #4 - 2nd Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7L0120	**Prepared:** 12/04/17 13:28				**Analyst:** mtt
Lead, Total	**30**	5.0	ug/l	1	12/06/17 20:52	

Sample: PUSD/ DSC-5-A, Alias: 1711512 — Sampled: 11/21/17 6:25 by Myriam Cardenas

7K30020-09 (Water) District Service Center Site #5 - 1st Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7L0120	**Prepared:** 12/04/17 13:28				**Analyst:** mtt
Lead, Total	ND	5.0	ug/l	1	12/06/17 20:54	

Sample: PUSD/ DSC-5-B, Alias: 1711513 — Sampled: 11/21/17 6:25 by Myriam Cardenas

7K30020-10 (Water) District Service Center Site #5 - 2nd Draw

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7L0120	**Prepared:** 12/04/17 13:28				**Analyst:** mtt
Lead, Total	ND	5.0	ug/l	1	12/06/17 20:57	

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Reported:
12/15/2017 10:23

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: W7L0120 - EPA 200.8										
Blank (W7L0120-BLK1)				**Prepared: 12/04/17**	**Analyzed: 12/06/17**					
Lead, Total	ND	5.0	ug/l							
LCS (W7L0120-BS1)				**Prepared: 12/04/17**	**Analyzed: 12/06/17**					
Lead, Total	48.3	5.0	ug/l	50.0		97	85-115			
Matrix Spike (W7L0120-MS1)	**Source: 7K30019-01**			**Prepared: 12/04/17**	**Analyzed: 12/06/17**					
Lead, Total	54.7	5.0	ug/l	50.0	4.89	100	70-130			
Matrix Spike (W7L0120-MS2)	**Source: 7K30019-02**			**Prepared: 12/04/17**	**Analyzed: 12/06/17**					
Lead, Total	51.5	5.0	ug/l	50.0	1.62	100	70-130			
Matrix Spike Dup (W7L0120-MSD1)	**Source: 7K30019-01**			**Prepared: 12/04/17**	**Analyzed: 12/06/17**					
Lead, Total	52.7	5.0	ug/l	50.0	4.89	96	70-130	4	30	
Matrix Spike Dup (W7L0120-MSD2)	**Source: 7K30019-02**			**Prepared: 12/04/17**	**Analyzed: 12/06/17**					
Lead, Total	50.7	5.0	ug/l	50.0	1.62	98	70-130	1	30	
Batch: W7L0588 - EPA 200.8										
Blank (W7L0588-BLK1)				**Prepared: 12/12/17**	**Analyzed: 12/13/17**					
Lead, Total	ND	5.0	ug/l							
LCS (W7L0588-BS1)				**Prepared: 12/12/17**	**Analyzed: 12/13/17**					
Lead, Total	50.3	5.0	ug/l	50.0		101	85-115			
Matrix Spike (W7L0588-MS1)	**Source: 7K30013-05**			**Prepared: 12/12/17**	**Analyzed: 12/13/17**					
Lead, Total	56.2	5.0	ug/l	50.0	5.92	101	70-130			
Matrix Spike Dup (W7L0588-MSD1)	**Source: 7K30013-05**			**Prepared: 12/12/17**	**Analyzed: 12/13/17**					
Lead, Total	55.2	5.0	ug/l	50.0	5.92	99	70-130	2	30	

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Project Manager: Mercedes Acevedo

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12/15/2017 10:23

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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District Service Center Results Summary 12-19-17

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)	2017-11-21 Lead, ppb
1	SHOPS OUTSIDE NEST TO MEN'S RESTROOM OUTDOOR FOUNTAIN	1st Draw - 7.5 2nd Draw - 11
2	SHOPS OUTSIDE OUSIDE CARPENTER'S SHOP OUTDOOR FOUNTAIN	1st Draw - 5.3 2nd Draw - 6.0
3	AUTO SHOP INSIDE AUTO SHOP NEXT TO MOP SINK INDOOR FOUNTAIN	1st Draw - 8.9 2nd Draw - ND
4	WAREHOUSE HALLWAY NEXT TO MEN'S RESTROOM INDOOR FOUNTAIN	1st Draw - 34 2nd Draw - 30
5	WAREHOUSE BREAKROOM BEHIND "M" SINK FAUCET	1st Draw - ND 2nd Draw - ND

Original district spreadsheet: District Service Center Results Summary 12-19-17.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**: DSC-DISTRICT SERVICE**

Address: **740 W. WOODBURY ROAD, ALTADENA 91001**

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	SHOPS	1ST	OUTSIDE	NEXT TO MEN'S RESTROOM	DRINKING FOUNTAIN	**SEE ATTACHED PAGE**
2	SHOPS	1ST	OUTSIDE	OUTSIDE CARPENTER'S SHOP	DRINKING FOUNTAIN	**SEE ATTACHED PAGE**
3	AUTO SHOP	1ST	INSIDE AUTO SHOP	NEXT TO MOP SINK	DRINKING FOUNTAIN	**SEE ATTACHED PAGE**
4	WAREHOUSE	1ST	HALLWAY	NEXT TO MEN'S RESTROOM	DRINKING FOUNTAIN	**SEE ATTACHED PAGE**
5	WAREHOUSE	1ST	BREAK ROOM	NEXT FOOD SERVICE	SINK FAUCET	**SEE ATTACHED PAGE**

SCHOOL NAME: DISTRICT SERVICE CENTER

SAMPLE #1





SAMPLE#2

SAMPLE# 3



SAMPLE# 4





SAMPLE# 5