Pasadena Unified School District

Cleveland Elementary

2017 Drinking Water Lead Testing Records

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

Documents included

Cleveland Elementary Lead Results | pages 2-7

Lead-Testing-PWP-Cleveland Elementary | pages 8-14

Sampling location photographs | pages 15-16

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

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

WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

Work Orders:	7J12049	**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 10:38

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
1910124-ABG-A/ CES-1-A, Alias: 1710041, RegID: 1910124-ABG-A	Myriam Cardenas	7J12049-01	Water	10/03/17 06:11	
1910124-ABG-AX/ CES-1-B, Alias: 1710042	Myriam Cardenas	7J12049-02	Water	10/03/17 06:11	
1910124-ABG-B/ CES-2-A, Alias: 1710043, RegID: 1910124-ABG-B	Myriam Cardenas	7J12049-03	Water	10/03/17 06:17	
1910124-ABG-BX/ CES-2-B, Alias: 1710044	Myriam Cardenas	7J12049-04	Water	10/03/17 06:17	
1910124-ABG-C/ CES-3-A, Alias: 1710045, RegID: 1910124-ABG-C	Myriam Cardenas	7J12049-05	Water	10/03/17 06:22	
1910124-ABG-CX/ CES-3-B, Alias: 1710046	Myriam Cardenas	7J12049-06	Water	10/03/17 06:22	
1910124-ABG-D/ CES-4-A, Alias: 1710047, RegID: 1910124-ABG-D	Myriam Cardenas	7J12049-07	Water	10/03/17 06:30	
1910124-ABG-DX/ CES-4-B, Alias: 1710048	Myriam Cardenas	7J12049-08	Water	10/03/17 06:30	
1910124-ABG-E/ CES-5-A, Alias: 1710049, RegID: 1910124-ABG-E	Myriam Cardenas	7J12049-09	Water	10/03/17 06:27	
1910124-ABG-EX/ CES-5-B, Alias: 1710050	Myriam Cardenas	7J12049-10	Water	10/03/17 06:27	

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 10:38

Sample Results

Sample: 1910124-ABG-A/ CES-1-A, Alias: 1710041, RegID: 1910124-ABG-A — Sampled: 10/03/17 6:11 by Myriam Cardenas

7J12049-01 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7J1174	**Prepared:** 10/19/17 15:29				**Analyst:** rrl
Lead, Total	ND	5.0	ug/l	1	10/20/17 14:37	

Sample: 1910124-ABG-AX/ CES-1-B, Alias: 1710042 — Sampled: 10/03/17 6:11 by Myriam Cardenas

7J12049-02 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7J0877	**Prepared:** 10/16/17 10:59				**Analyst:** JEA
Lead, Total	ND	5.0	ug/l	1	10/19/17 16:30	

Sample: 1910124-ABG-B/ CES-2-A, Alias: 1710043, RegID: 1910124-ABG-B — Sampled: 10/03/17 6:17 by Myriam Cardenas

7J12049-03 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7J0877	**Prepared:** 10/16/17 10:59				**Analyst:** JEA
Lead, Total	ND	5.0	ug/l	1	10/19/17 14:12	

Sample: 1910124-ABG-BX/ CES-2-B, Alias: 1710044 — Sampled: 10/03/17 6:17 by Myriam Cardenas

7J12049-04 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7J0877	**Prepared:** 10/16/17 10:59				**Analyst:** JEA
Lead, Total	ND	5.0	ug/l	1	10/19/17 14:14	

Sample: 1910124-ABG-C/ CES-3-A, Alias: 1710045, RegID: 1910124-ABG-C — Sampled: 10/03/17 6:22 by Myriam Cardenas

7J12049-05 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7J0877	**Prepared:** 10/16/17 10:59				**Analyst:** JEA
Lead, Total	ND	5.0	ug/l	1	10/19/17 14:16	

Sample: 1910124-ABG-CX/ CES-3-B, Alias: 1710046 — Sampled: 10/03/17 6:22 by Myriam Cardenas

7J12049-06 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7J0877	**Prepared:** 10/16/17 10:59				**Analyst:** JEA
Lead, Total	ND	5.0	ug/l	1	10/19/17 14:18	

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 10:38

Sample Results

(Continued)

Sample: 1910124-ABG-D/ CES-4-A, Alias: 1710047, RegID: 1910124-ABG-D — Sampled: 10/03/17 6:30 by Myriam Cardenas

7J12049-07 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7J0877	**Prepared:** 10/16/17 10:59				**Analyst:** JEA
Lead, Total	ND	5.0	ug/l	1	10/19/17 14:20	

Sample: 1910124-ABG-DX/ CES-4-B, Alias: 1710048 — Sampled: 10/03/17 6:30 by Myriam Cardenas

7J12049-08 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7J0877	**Prepared:** 10/16/17 10:59				**Analyst:** JEA
Lead, Total	ND	5.0	ug/l	1	10/19/17 14:22	

Sample: 1910124-ABG-E/ CES-5-A, Alias: 1710049, RegID: 1910124-ABG-E — Sampled: 10/03/17 6:27 by Myriam Cardenas

7J12049-09 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7J0877	**Prepared:** 10/16/17 10:59				**Analyst:** JEA
Lead, Total	ND	5.0	ug/l	1	10/19/17 14:23	

Sample: 1910124-ABG-EX/ CES-5-B, Alias: 1710050 — Sampled: 10/03/17 6:27 by Myriam Cardenas

7J12049-10 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7J0877	**Prepared:** 10/16/17 10:59				**Analyst:** JEA
Lead, Total	ND	5.0	ug/l	1	10/19/17 14:25	

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 10:38

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: W7J0877 - EPA 200.8										
Blank (W7J0877-BLK1)				**Prepared: 10/16/17**	**Analyzed: 10/19/17**					
Lead, Total	ND	5.0	ug/l							
LCS (W7J0877-BS1)				**Prepared: 10/16/17**	**Analyzed: 10/19/17**					
Lead, Total	48.6	5.0	ug/l	50.0		97	85-115			
Matrix Spike (W7J0877-MS1)	**Source: 7J12045-01**			**Prepared: 10/16/17**	**Analyzed: 10/19/17**					
Lead, Total	47.5	5.0	ug/l	50.0	0.350	94	70-130			
Matrix Spike (W7J0877-MS2)	**Source: 7J12045-02**			**Prepared: 10/16/17**	**Analyzed: 10/19/17**					
Lead, Total	47.6	5.0	ug/l	50.0	0.139	95	70-130			
Matrix Spike Dup (W7J0877-MSD1)	**Source: 7J12045-01**			**Prepared: 10/16/17**	**Analyzed: 10/19/17**					
Lead, Total	48.4	5.0	ug/l	50.0	0.350	96	70-130	2	30	
Matrix Spike Dup (W7J0877-MSD2)	**Source: 7J12045-02**			**Prepared: 10/16/17**	**Analyzed: 10/19/17**					
Lead, Total	48.2	5.0	ug/l	50.0	0.139	96	70-130	1	30	
Batch: W7J1174 - EPA 200.8										
Blank (W7J1174-BLK1)				**Prepared: 10/19/17**	**Analyzed: 10/20/17**					
Lead, Total	ND	5.0	ug/l							
LCS (W7J1174-BS1)				**Prepared: 10/19/17**	**Analyzed: 10/20/17**					
Lead, Total	49.1	5.0	ug/l	50.0		98	85-115			
Matrix Spike (W7J1174-MS1)	**Source: 7J17100-09**			**Prepared: 10/19/17**	**Analyzed: 10/20/17**					
Lead, Total	50.1	5.0	ug/l	50.0	1.19	98	70-130			
Matrix Spike (W7J1174-MS2)	**Source: 7J17100-18**			**Prepared: 10/19/17**	**Analyzed: 10/20/17**					
Lead, Total	48.5	5.0	ug/l	50.0	0.316	96	70-130			
Matrix Spike Dup (W7J1174-MSD1)	**Source: 7J17100-09**			**Prepared: 10/19/17**	**Analyzed: 10/20/17**					
Lead, Total	50.3	5.0	ug/l	50.0	1.19	98	70-130	0.2	30	
Matrix Spike Dup (W7J1174-MSD2)	**Source: 7J17100-18**			**Prepared: 10/19/17**	**Analyzed: 10/20/17**					
Lead, Total	49.2	5.0	ug/l	50.0	0.316	98	70-130	1	30	

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 10:38

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.

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

www.wecklabs.com

Pasadena Water & Power and Cleveland Elementary School Lead Sampling Plan

Water System Name: Pasadena Water & Power

Water System Number:1910124

School Name:___Cleveland Elementary School_____

School Address:__524 Palisade St., Pasadena, CA 91103_____

Meeting Date:_____

PWP Representative:

Myriam Cardenas 9/5/17

Myriam Cardenas
Principal Chemist

Pasadena Unified School District Representative:

_____
Signature & Date

_____
Print Name

Sample Recordkeeping Form

Sample No. 1

Name of Building: C-Building/1st Floor

Location Description: Kitchen/Next to ovens

Type of Outlet: Sink Faucet

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



Sample Recordkeeping Form

Sample No. 2

Name of Building: C-Building/1st Floor

Location Description: Lunch Area/Next to pergola

Type of Outlet: Outdoor Fountain/Left Bubbler

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



Sample Recordkeeping Form

Sample No. 3

Name of Building:___A-Building/ist Floor__

Location Description:_Playground/Next to Restrooms___

Type of Outlet:__Outdoor Fountain/Upper_____

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



Sample Recordkeeping Form

Sample No. 4

Name of Building:___A-Building/1st Floor___

Location Description:_ Teacher's Lounge/ Next to Rm 141

Type of Outlet:__Sink Faucet__

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



Sample Recordkeeping Form

Sample No. 5

Name of Building:___A-Building/1st Floor___

Location Description:_Family Center/Next to Nurse's Office

Type of Outlet:__Sink Faucet_____

Sample I.D.:___1910124-ABG-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

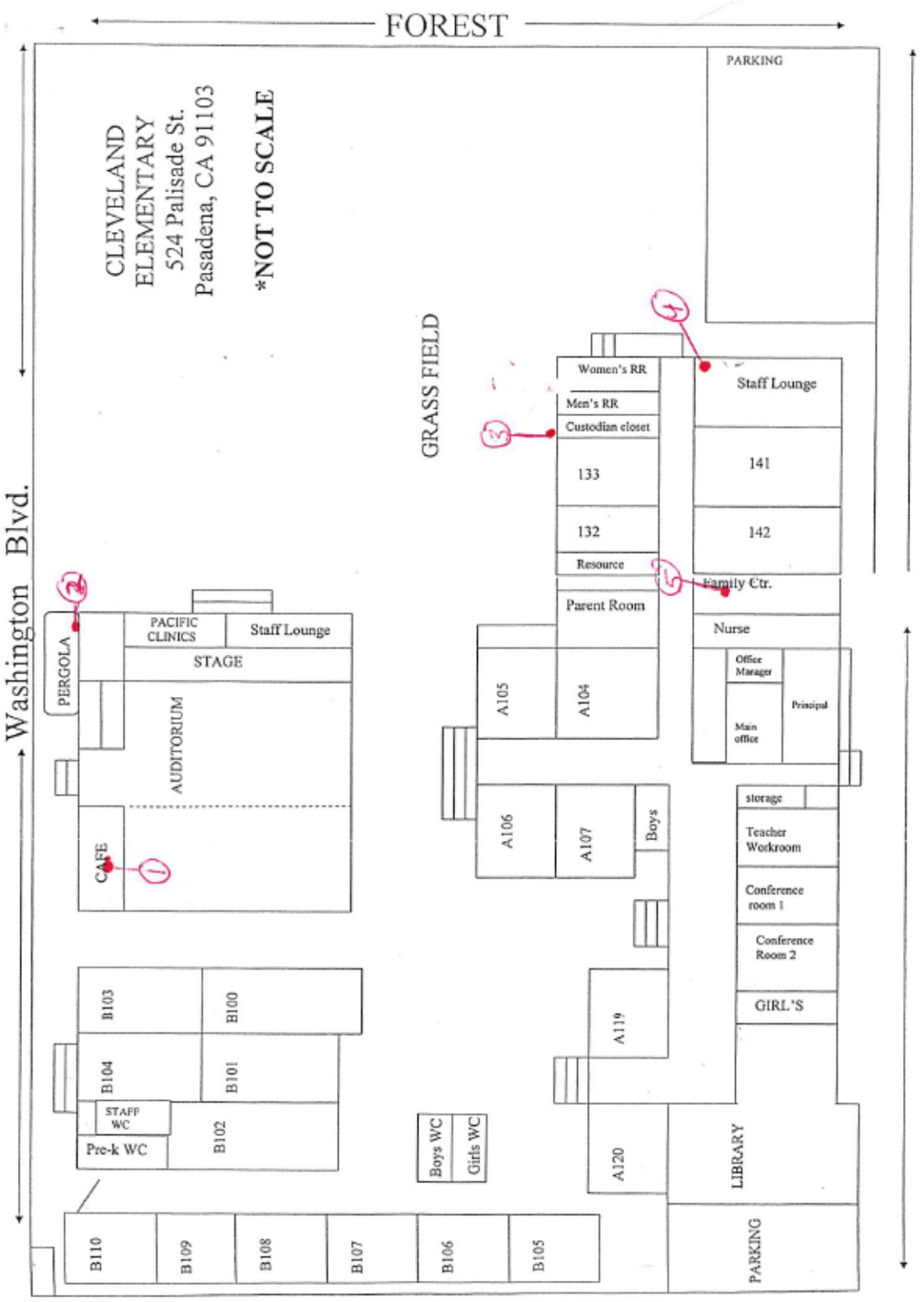
Lead Concentration (ppb):_____

NOTES:

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



Sample Location Map



SCHOOL NAME: CLEVELAND ELEM

SAMPLE #1





SAMPLE#2

SAMPLE# 3



SAMPLE# 4





SAMPLE# 5