Pasadena Unified School District

Hamilton 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

Hamilton Elemntary Lead Results | pages 2-15

Lead sampling-Hamilton (signed)-annotated | pages 16-22

Sampling location photographs | pages 23-24

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:	7F29046	**Report Date:**	7/13/2017
		Received Date:	6/29/2017
Project:	Lead Testing	**Turnaround Time:**	Normal
		Phones:	(626) 744-3704
		Fax:	-
Attn:	Mercedes Acevedo	**P.O. #:**	1171742-00
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 ● NV-DEP #NAC 445A ● 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 6/29/17 with the Chain-of-Custody document. The samples were received in good condition, at 23.9 °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:
07/13/2017 12:25

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
1910124-AAG-A/HES-1-A, Alias: 1706519, RegID: 1910124-AAG-A	Myriam Cardenas	7F29046-01	Water	06/28/17 06:30	
1910124-AAG-AX/HES-1-B, Alias: 1706520	Myriam Cardenas	7F29046-02	Water	06/28/17 06:30	
1910124-AAG-B/HES-2-A, Alias: 1706521, RegID: 1910124-AAG-B	Myriam Cardenas	7F29046-03	Water	06/28/17 06:35	
1910124-AAG-BX/HES-2-B, Alias: 1706522	Myriam Cardenas	7F29046-04	Water	06/28/17 06:35	
1910124-AAG-C/HES-3-A, Alias: 1706523, RegID: 1910124-AAG-C	Myriam Cardenas	7F29046-05	Water	06/28/17 06:43	
1910124-AAG-CX/HES-3-B, Alias: 1706524	Myriam Cardenas	7F29046-06	Water	06/28/17 06:43	
1910124-AAG-D/HES-4-A, Alias: 1706525, RegID: 1910124-AAG-D	Myriam Cardenas	7F29046-07	Water	06/28/17 06:52	
1910124-AAG-DX/HES-4-B, Alias: 1706526	Myriam Cardenas	7F29046-08	Water	06/28/17 06:52	
1910124-AAG-E/HES-5-A, Alias: 1706527, RegID: 1910124-AAG-E	Myriam Cardenas	7F29046-09	Water	06/28/17 06:57	
1910124-AAG-EX/HES-5-B, Alias: 1706528	Myriam Cardenas	7F29046-10	Water	06/28/17 06:57	

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:
07/13/2017 12:25

Sample Results

Sample: 1910124-AAG-A/HES-1-A, Alias: 1706519, RegID: 1910124-AAG-A
7F29046-01 (Water)

Sampled: 06/28/17 6:30 by Myriam Cardenas

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7G0385	**Prepared:** 07/09/17 10:13				**Analyst:** gza
Lead, Total	ND	5.0	ug/l	1	07/12/17 11:36	

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:
07/13/2017 12:25

Sample Results

(Continued)

Sample: 1910124-AAG-AX/HES-1-B, Alias: 1706520
7F29046-02 (Water)

Sampled: 06/28/17 6:30 by Myriam Cardenas

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7G0385	**Prepared:** 07/09/17 10:13				**Analyst:** gza
Lead, Total	ND	5.0	ug/l	1	07/12/17 11:38	

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:
07/13/2017 12:25

Sample Results

(Continued)

Sample: 1910124-AAG-B/HES-2-A, Alias: 1706521, RegID: 1910124-AAG-B
7F29046-03 (Water)

Sampled: 06/28/17 6:35 by Myriam Cardenas

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7G0385	**Prepared:** 07/09/17 10:13				**Analyst:** gza
Lead, Total	ND	5.0	ug/l	1	07/12/17 11:39	

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:
07/13/2017 12:25

Sample Results

(Continued)

Sample: 1910124-AAG-BX/HES-2-B, Alias: 1706522
7F29046-04 (Water)

Sampled: 06/28/17 6:35 by Myriam Cardenas

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7G0385	**Prepared:** 07/09/17 10:13				**Analyst:** gza
Lead, Total	ND	5.0	ug/l	1	07/12/17 11:43	

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:
07/13/2017 12:25

Sample Results

(Continued)

Sample: 1910124-AAG-C/HES-3-A, Alias: 1706523, RegID: 1910124-AAG-C
7F29046-05 (Water)

Sampled: 06/28/17 6:43 by Myriam Cardenas

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7G0385	**Prepared:** 07/09/17 10:13				**Analyst:** gza
Lead, Total	ND	5.0	ug/l	1	07/12/17 11:44	

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:
07/13/2017 12:25

Sample Results

(Continued)

Sample: 1910124-AAG-CX/HES-3-B, Alias: 1706524
7F29046-06 (Water)

Sampled: 06/28/17 6:43 by Myriam Cardenas

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7G0385	**Prepared:** 07/09/17 10:13				**Analyst:** gza
Lead, Total	ND	5.0	ug/l	1	07/12/17 11:45	

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:
07/13/2017 12:25

Sample Results

(Continued)

Sample: 1910124-AAG-D/HES-4-A, Alias: 1706525, RegID: 1910124-AAG-D
7F29046-07 (Water)

Sampled: 06/28/17 6:52 by Myriam Cardenas

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7G0385	**Prepared:** 07/09/17 10:13				**Analyst:** gza
Lead, Total	ND	5.0	ug/l	1	07/12/17 11:46	

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:
07/13/2017 12:25

Sample Results

(Continued)

Sample: 1910124-AAG-DX/HES-4-B, Alias: 1706526
7F29046-08 (Water)

Sampled: 06/28/17 6:52 by Myriam Cardenas

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7G0385	**Prepared:** 07/09/17 10:13				**Analyst:** gza
Lead, Total	ND	5.0	ug/l	1	07/12/17 11:47	

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:
07/13/2017 12:25

Sample Results

(Continued)

Sample: 1910124-AAG-E/HES-5-A, Alias: 1706527, RegID: 1910124-AAG-E
7F29046-09 (Water)

Sampled: 06/28/17 6:57 by Myriam Cardenas

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7G0385	**Prepared:** 07/09/17 10:13				**Analyst:** gza
Lead, Total	ND	5.0	ug/l	1	07/12/17 11:49	

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:
07/13/2017 12:25

Sample Results

(Continued)

Sample: 1910124-AAG-EX/HES-5-B, Alias: 1706528
7F29046-10 (Water)

Sampled: 06/28/17 6:57 by Myriam Cardenas

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8	**Batch ID:** W7G0385	**Prepared:** 07/09/17 10:13				**Analyst:** gza
Lead, Total	ND	5.0	ug/l	1	07/12/17 11:50	

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:
07/13/2017 12:25

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: W7G0385 - EPA 200.8										
Blank (W7G0385-BLK1)				**Prepared: 07/09/17**	**Analyzed: 07/12/17**					
Lead, Total	ND	5.0	ug/l							
LCS (W7G0385-BS1)				**Prepared: 07/09/17**	**Analyzed: 07/12/17**					
Lead, Total	49.2	5.0	ug/l	50.0		98	85-115			
Matrix Spike (W7G0385-MS1)	**Source: 7F28085-01**			**Prepared: 07/09/17**	**Analyzed: 07/12/17**					
Lead, Total	57.8	5.0	ug/l	50.0	8.03	100	70-130			
Matrix Spike (W7G0385-MS2)	**Source: 7F28085-03**			**Prepared: 07/09/17**	**Analyzed: 07/12/17**					
Lead, Total	89.2	5.0	ug/l	50.0	41.2	96	70-130			
Matrix Spike Dup (W7G0385-MSD1)	**Source: 7F28085-01**			**Prepared: 07/09/17**	**Analyzed: 07/12/17**					
Lead, Total	58.4	5.0	ug/l	50.0	8.03	101	70-130	1	30	
Matrix Spike Dup (W7G0385-MSD2)	**Source: 7F28085-03**			**Prepared: 07/09/17**	**Analyzed: 07/12/17**					
Lead, Total	88.5	5.0	ug/l	50.0	41.2	95	70-130	0.7	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:
07/13/2017 12:25

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 Hamilton Elementary School Lead Sampling Plan

Water System Name: Pasadena Water & Power

Water System Number: 1910124

School Name: Hamilton Elementary School

School Address: 2089 Rose Villa St., Pasadena, CA 91107-5078

Meeting Date: _____

PWP Representative:

Myriam Cardenas 6/27/17

Myriam Cardenas
Principal Chemist

Pasadena Unified School District Representative:

Signature & Date

Nelson M. Cayabyab
Chief Facilities Officer

Print Name

Sample Recordkeeping Form

Sample No. 1

Name of Building: B-Building/1st Floor

Location Description: Teacher's Lounge

Type of Outlet: Sink Faucet

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



Sample Recordkeeping Form

Sample No. 2

Name of Building: B-Building/1st Floor

Location Description: Hallway near Rm 111-B

Type of Outlet: Indoor Fountain

Sample I.D.: 1910124-AAG-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: _____

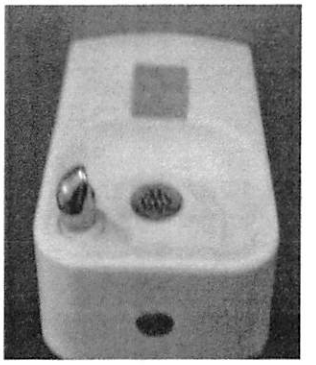
(circle collector type) Water System Operator (Water System Representative)

Contractor

Lead Concentration (ppb): _____

NOTES:

Two initial samples were collected
HES-2-A and HES-2-B on the same day.
A was collected first and immediately after, B was collected. No water flushed between samples.
Sample ID 1910124-AAG-B corresponds to HES-2-A.
Sample ID 1910124-AAG-B-X corresponds to HES-2-B.



Sample Recordkeeping Form

Sample No. 3

Name of Building: A-Building/1st Floor

Location Description: Hallway by Girls Bathroom near Rm A

Type of Outlet: Indoor Fountain

Sample I.D.: 1910124-AAG-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: _____

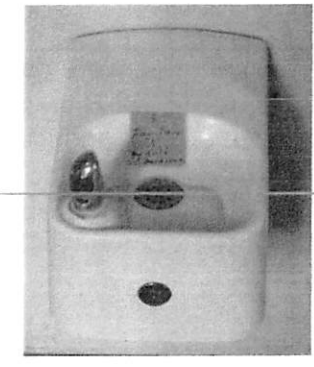
(circle collector type) Water System Operator (Water System Representative)

Contractor

Lead Concentration (ppb): _____

NOTES:

Two initial samples were collected
HES-3-A and HES-3-B on the same day.
A was collected first and immediately after, B was collected. No water flushed between samples.
Sample ID 1910124-AAG-C corresponds to HES-3-A.
Sample ID 1910124-AAG-C-X corresponds to HES-3-B.



Sample Recordkeeping Form

Sample No. 4

Name of Building: A-Building/1st Floor

Location Description: Outside by Rm 102

Type of Outlet: Outdoor Fountain

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



Sample Recordkeeping Form

Sample No. 5

Name of Building: C-Building/1st Floor

Location Description: Kitchen

Type of Outlet: Filtered Water Sink

Sample I.D.: 1910124-AAG-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

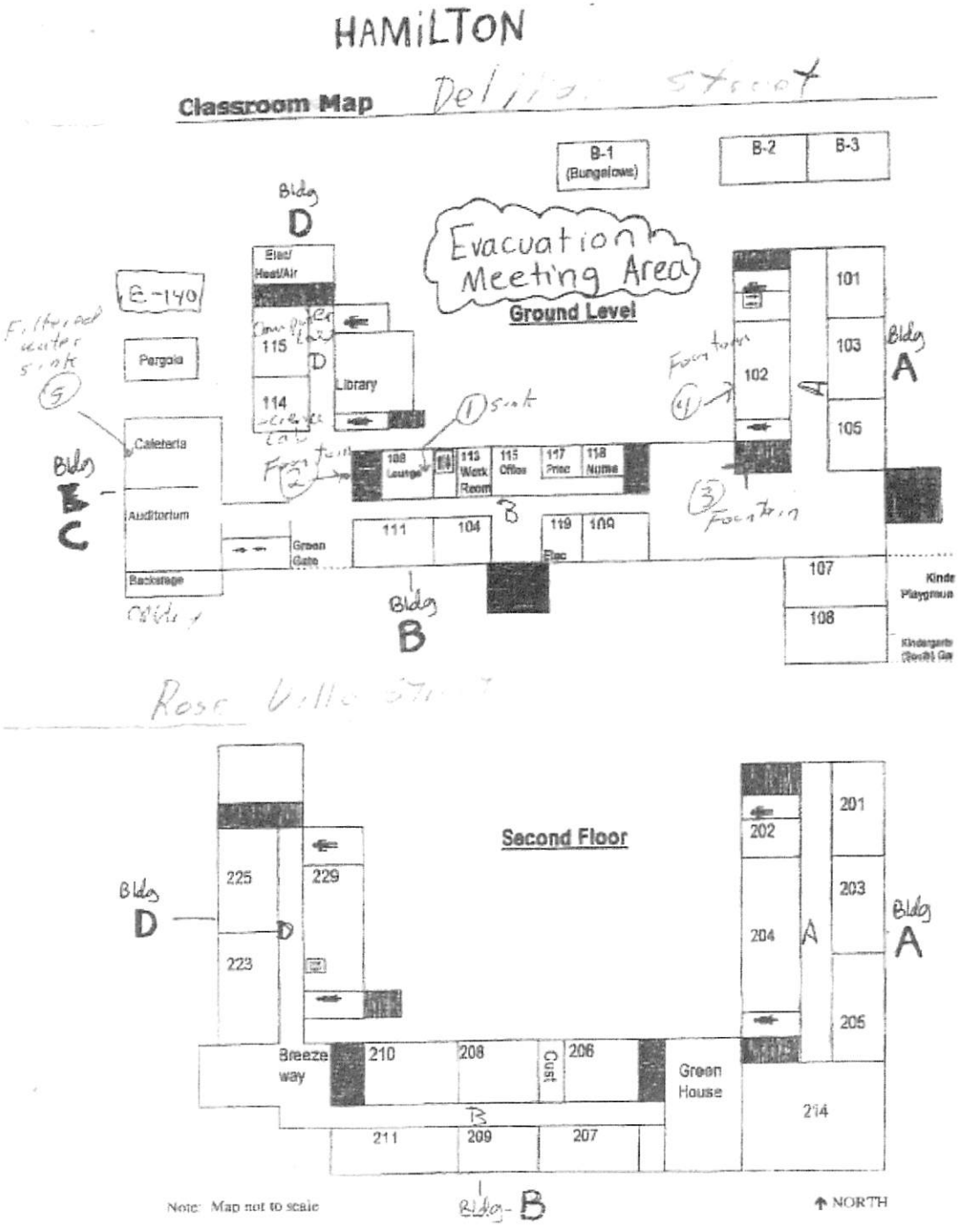
Lead Concentration (ppb): _____

NOTES:

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



Sample Location Map



SCHOOL NAME: HAMILTON ELEM

SAMPLE #1





SAMPLE#2

SAMPLE# 3



SAMPLE# 4



SAMPLE# 5

