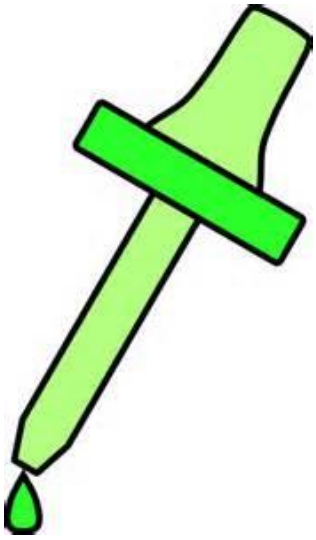
Overview of Testing Results for Lead in Drinking Water
For NSA Philadelphia CDC (Building 113)

The Navy is committed to maintaining safe drinking water on its installations. City water supplied to the Navy and the Navy's water distribution system is regularly tested and in compliance with the Safe Drinking Water Act. Because lead exposure is a particular concern for children, and lead may be added to drinking water through the pipes, fittings, solder, and fixtures inside a building, the EPA recommends, but does not mandate, that we test the lead content of drinking water in priority areas such as youth centers (YCs), child development group homes (CDGHs) and child development centers (CDCs).

Navy environmental personnel conducted lead testing at the NSA Philadelphia CDC in accordance with Navy and EPA guidelines. Samples from various locations in the CDC were sent to a state-certified laboratory for analysis.

At the NSA Philadelphia CDC, outlets used for drinking and cooking, as well as outlets used for hand washing were tested. All of 40samples collected from water outlets tested below the EPA recommended level for lead in drinking water in schools and childcare centers of 20 parts per billion (ppb). One part per billion is equal to one drop of water in an Olympic-size swimming pool.



A copy of all test results is enclosed for your information. The test results are presented in two tables:

- Table 1 **Summary of Results** summarizes the data by category of use (e.g., drinking, cooking, washing).
- Table 2 **Summary Statistics** summarizes all the data.

A floor plan of the NSA Philadelphia has also been included to show the locations of the fixtures that were tested.

Table 1 provides a description of each sampling location using three columns; *Category*, *Sampling ID,* and *Outlet Description*. The *Category* column gives information about whether the outlet is used for drinking water (water fountain), cooking (food preparation), or washing (primarily hand-washing). The *Sample ID* column is the identification used to label each sample bottle. The *Outlet Description* column contains additional information to describe the outlet sampled under each category.

The next set of columns in **Table 1** provide *Initial Sampling Results.* Since there were no locations that exceeded the recommended level of 20 ppb the *Re-sampling Results are N/A.*

EPA sampling protocol requires water to not be used for between 8 and 18 hours prior to first draw sampling. Therefore, *Initial Sampling Results were from* first draw samples collected early in the morning before the CDC opened and before any water was used. The *Initial Sampling Results* also indicate whether resampling is required and the date that fixtures greater than 20 ppb were secured. Outlets that exceeded 20 ppb are highlighted in yellow.

The *Corrective Actions* column is NA because all outlets tested below 20 ppb.

To learn more about lead in drinking water schools and day care centers visit this EPA website at: http://water.epa.gov/drink/info/lead/schools_index.cfm.

http://www.phila.gov/water/wu/Water%20Quality%20Reports/2014WaterQuality.pdf
Navy Water Quality Reports:
https://portal.navfac.navy.mil/portal/page/portal/navfac/navfac_ww_pp/navfac_navfacmidlant_pp/midlant_ps/environmental_norfolk/tab3987837

To answer any questions you may have on the sampling program contact the NSA Philadelphia Public Affairs Officer at Christopher.cleaver@navy.mil-. If you have any health questions or concerns, you are encouraged to call HM1 Bostick of the Naval Health Clinic Annapolis at 314-624-3847.

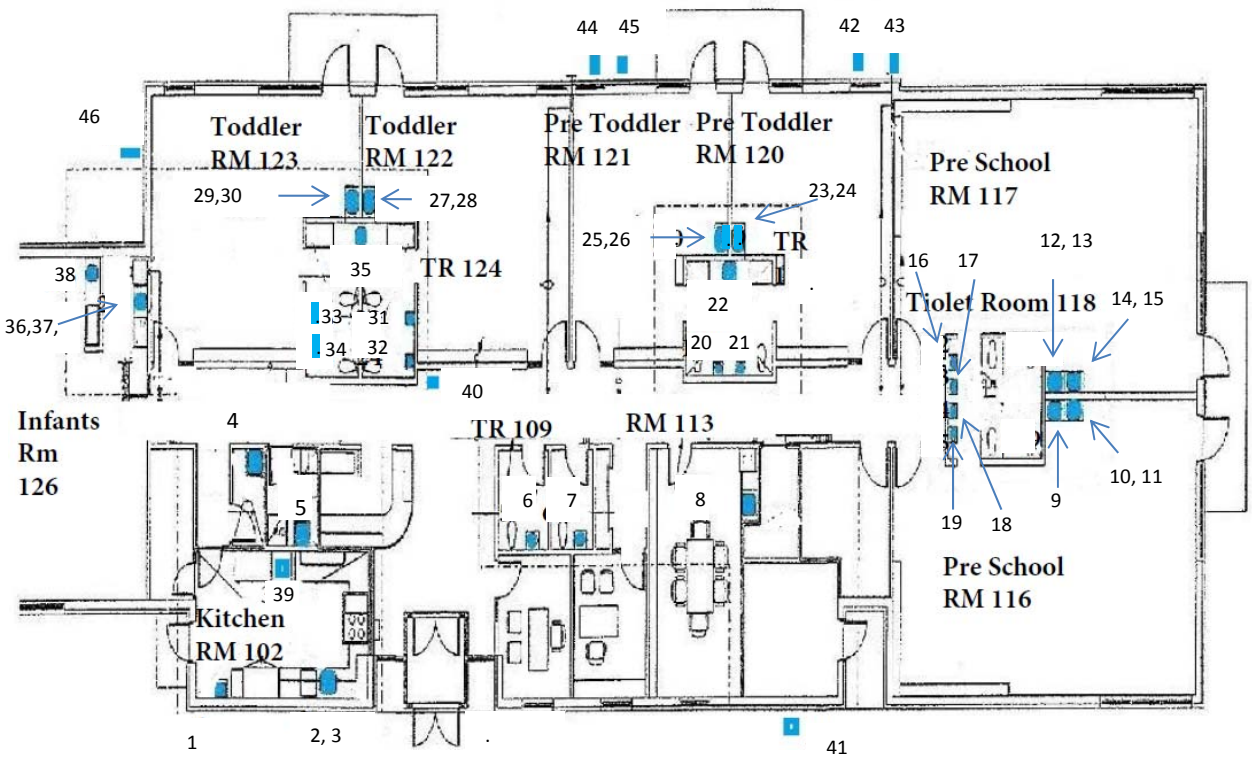
Priority Areas Lead Testing (September 2014)
NSA Philadelphia, Child Development Center
Building 113

Table 1. Summary of Results

SAMPLING LOCATION DESCRIPTION			INITIAL SAMPLING RESULTS			RE-SAMPLING RESULTS			CORRECTIVE ACTIONS	POST REMEDIATION SAMPLING RESULTS	
			Recommended Level = 20ppb							Recommended Level = 20ppb	
CATEGORY Water Intended For:	SAMPLE ID	Outlet Description	First Draw (ppb)	Retest required?	Date Fixture Secured? (See Note 1)	Water Fountain 15 min. Follow up Flush Sample - Collected day before First Draw Sampling (ppb)	First Draw (ppb)	Follow up Flush - Collected 30 seconds after First Draw Sampling (ppb)	Description	First Draw (ppb)	Follow up Flush - Collected 30 seconds after First Draw Sampling (ppb)
SAMPLING DATE			8/26/2014 &			N/A					
RESULTS DATE			9/3/2014			N/A					
WASHING	PH-114-RM102.1-HHW-FD	HHW	<3.0 ppb	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	PH-114-RM102.2-HWCOMB-FD	HWCOMB	<3.0 ppb	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	PH-114-RM102.3-HWCOMB-FD	HWCOMB	<3.0 ppb	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	PH-114-RM109BATH.5-HHW-FD	HHW	<3.0 ppb		N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	PH-114-RM109BATH.6-HHW-FD	HHW	9.3 ppb	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	PH-114-BATH.7-HHW-FD	HHW	<3.0 ppb	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	PH-114-RM113.8-HHW-FD	HHW	4.1 ppb	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	PH-114-RM116.9-HHW-FD	HHW	<3.0 ppb	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	PH-114-RM116.10-WFCOMB-FD	WFCOMB	<3.0 ppb	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DRINKING	PH-114-RM116.11-WFCOMB-FD	WFCOMB	<3.0 ppb	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	PH-114-RM117.12-HWCOMB-FD	HWCOMB	<3.0 ppb	NO							
DRINKING	PH-114-RM117.13-HWCOMB-FD	HWCOMB	<3.0 ppb	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	PH-114-RM117.14-WFCOMB-FD	WFCOMB	<3.0 ppb	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DRINKING	PH-114-RM117.15-WFCOMB-FD	WFCOMB	<3.0 ppb	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	PH-114-RM118.16-LHW-FD	LHW	<3.0ppb	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	PH-114-RM118.17-LHW-FD	LHW	<3.0 ppb	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	PH-114-RM118.18-LHW-FD	LHW	<3.0 ppb	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	PH-114-RM118.19-LHW-FD	LHW	<3.0 ppb	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	PH-114-RM119.20-LHW-FD	LHW	<3.0 ppb	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	PH-114-RM119.21-LHW-FD	LHW	<3.0 ppb	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	PH-114-RM119.22-HHW-FD	HHW	5.6 ppb	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	PH-114-RM120.23-WFCOMB-FD	WFCOMB	<3.0 ppb	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DRINKING	PH-114-RM120.24-WFCOMB-FD	WFCOMB	<3.0 ppb	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	PH-114-RM121.25-WFCOMB-FD	WFCOMB	<3.0 ppb	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DRINKING	PH-114-RM121.26-WFCOMB-FD	WFCOMB	<3.0 ppb	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	PH-114-RM122.27-WFCOMB-FD	WFCOMB	<3.0 ppb	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DRINKING	PH-114-RM122.28-WFCOMB-FD	WFCOMB	<3.0 ppb	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	PH-114-RM123.29-WFCOMB-FD	WFCOMB	<3.0 ppb	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DRINKING	PH-114-RM123.30-WFCOMB-FD	WFCOMB	<3.0 ppb	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	PH-114-RM124.31-LHW-FD	LHW	<3.0 ppb	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	PH-114-RM124.32-LHW-FD	LHW	<3.0 ppb	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	PH-114-RM124.33-LHW-FD	LHW	<3.0 ppb	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	PH-114-RM124.34-LHW-FD	LHW	4.8 ppb	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	PH-114-RM124.35-HHW-FD	HHW	<3.0 ppb	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	PH-114-RM126.36-HWCOMB-FD	HWCOMB	<3.0 ppb	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DRINKING	PH-114-RM126.37-HWCOMB-FD	HWCOMB	<3.0 ppb	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	PH-114-RM126.38-HHW-FD	HHW	<3.0 ppb	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
COOKING	PH-114-RM102.39-HHW-FD	HHW	<3.0 ppb	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DRINKING	PH-114-HALL.40-WFC-FD	WFC	<3.0 ppb	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DRINKING	PH-114-OUTSIDE.43-WFB-FD	WFB	<3.0 ppb	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table 2. Summary Statistics

CATEGORY	INITIAL SAMPLING RESULTS	RE-SAMPLING RESULTS			POST REMEDIATION RESULTS
		Recommended Level = 20ppb			
	First Draw	Water Fountain Follow up Flush Sample - Collected day before First Draw Sampling	First Draw (ppb)	Follow up Flush - Collected 30 seconds after First Draw Sampling	First Draw
Total Drinking	10	0	0	0	0
Total Drinking > 20 ppb	0	0	0	0	0
Total Cooking	1	0	0	0	0
Total Cooking > 20 ppb	0	0	0	0	0
Total Washing/Brushing	30	0	0	0	0
Total Washing/Brushing > 20 ppb	0	0	0	0	0
Total Samples	40	0	0	0	0
Total Samples > 20 ppb	0	0	0	0	0


44 45
42 43
46
Toddler
RM 123
Toddler
RM 122
Pre Toddler
RM 121
Pre Toddler
RM 120
Pre School
RM 117
29,30
27,28
23,24
25,26
TR
TR 124
35
38
36,37,
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31
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32
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20
21
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12, 13
Tiolet Room 118
14, 15
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Infants
Rm
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4
TR 109
RM 113
10, 11
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6
7
8
9
19
18
39
Pre School
RM 116
Kitchen
RM 102
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2, 3
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