

Overview of Testing Results for Lead in Drinking Water and Corrective Actions for NSA Hampton Roads, Northwest Annex YC (Building 432)

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 Environmental Protection Agency (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). The Navy has adopted the recommendation as policy.

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

At the NSA HR Northwest Annex YC, outlets used for drinking, cooking, and washing were tested. Out of 5 samples collected, no water outlets tested above the EPA-recommended screening level for lead in drinking water in schools and childcare centers of 20 parts per billion (ppb).

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 HR Northwest Annex YC has also been included to show the locations of the fixtures that were sampled.

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 or brushing teeth). 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*, and for those locations that exceeded the recommended screening level of 20 ppb the *Re-sampling Results*.

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 YC 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.

The *Re-sampling Results*, *Corrective Actions*, and *Post Remediation Sampling Results* columns are annotated N/A (not applicable) since all the samples at the NSA HR Northwest Annex YC were within EPA recommended levels.

To learn more about lead in drinking water in schools and day care centers visit the following EPA website: <https://www.epa.gov/dwreginfo/lead-drinking-water-schools-and-child-care-facilities>.

To learn more about your home's public water supplier, see their annual water quality report:

https://www.cnic.navy.mil/regions/cnrma/om/environmental_support/water_quality_information.html

To answer any questions you may have on the sampling program contact the NSA Hampton Roads Public Affairs Officer at 757-836-1484. If you have any health questions or concerns, you are encouraged to contact your health care provider or, if you are a TRICARE beneficiary, use the Mid-Atlantic Appointment Center to schedule an appointment with your primary care provider at 1-866-645-4584.

Enclosures:

1. Complete Test Results
2. Floor Plan of the NSA HR Northwest Annex YC

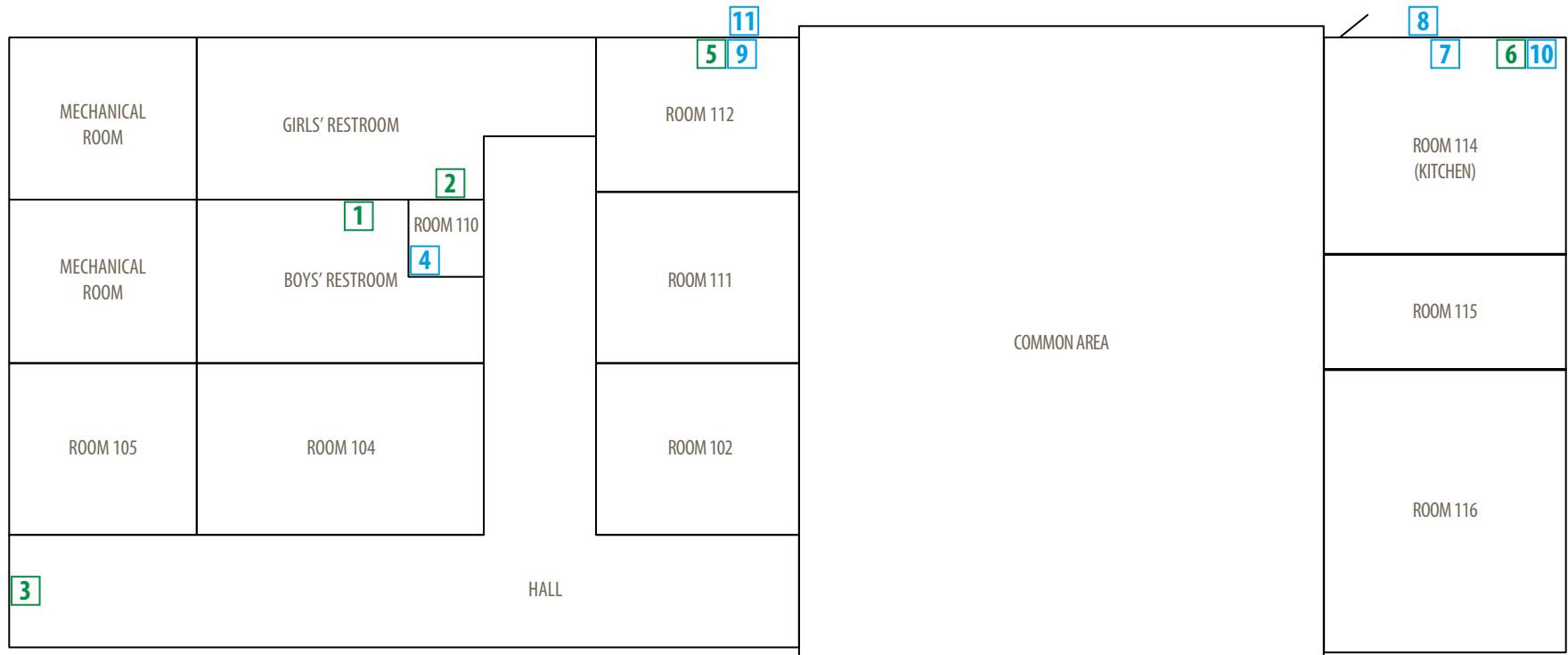
Sample Summary Results Table
Priority Areas Lead Testing and Corrective Actions (May 2018)
Naval Support Activity Hampton Roads Northwest Annex, Youth Center, Building 432

Table 1. Summary of Results

SAMPLING LOCATION DESCRIPTION					INITIAL SAMPLING RESULTS			RE-SAMPLING RESULTS			CORRECTIVE ACTIONS Description	POST REMEDIATION SAMPLING	
CATEGORY	SAMPLE ID NO.	SAMPLE ID	Outlet Description	Comments	Lead Screening Level of 20ppb							Recommended Level = 20ppb	First Draw (ppb)
					First Draw (ppb)	Retest required?	Date Fixture Secured?	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)	First Draw (ppb)		
SAMPLING DATE					5/11/2018			N/A	N/A	N/A		N/A	
RESULTS DATE					5/21/2018			N/A	N/A	N/A		N/A	
DRINKING	3	NW-432-HALL-WFC-FD	Water fountain (cooler) in the Hallway		1	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A
COOKING	6	NW-432-K114-K-FD	Kitchen sink used for food preparation and dishwashing in Room 114		3	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	1	NW-432-BATHB-HHW-FD	High handwashing faucet in the Boys' Restroom		4	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	2	NW-432-BATHG-HHW-FD	High handwashing faucet in the Girls' Restroom		5	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	5	NW-432-RM112-HHW-FD	High handwashing faucet in Room 112		4	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
	Lead Screening Level of 20ppb					
	First Draw (ppb)		Water Fountain 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)	First Draw (ppb)
Total Drinking	1		N/A	N/A	N/A	N/A
Total Drinking > 20 ppb	0		N/A	N/A	N/A	N/A
Total Cooking	1		N/A	N/A	N/A	N/A
Total Cooking > 20 ppb	0		N/A	N/A	N/A	N/A
Total Washing	3		N/A	N/A	N/A	N/A
Total Washing > 20 ppb	0		N/A	N/A	N/A	N/A
Total Samples	5		N/A	N/A	N/A	N/A
Total Samples > 20 ppb	0		N/A	N/A	N/A	N/A



LEGEND

- 00 Outlet
- 00 Sample results above 20 parts per billion
- 00 Sample results below 20 parts per billion



Building 432 – First Floor Plan
 NSA Hampton Roads Northwest Annex
 Chesapeake, Virginia



No.	Type of Fixture	Location Description	Exceeded?
1	High handwashing faucet	Boys' Restroom	No
2	High handwashing faucet	Girls' Restroom	No
3	Water fountain (cooler)	Hall	No
4	Utility sink	Room 110	Not sampled
5	High handwashing faucet	Room 112	No
6	Kitchen sink used for food preparation and dishwashing	Room 114 (Kitchen)	No
7	Ice maker	Room 114 (Kitchen)	Not sampled
8	Hose bib	Outside on the east side of Building 432	Not sampled
9	Dishwasher sprayer	Room 112	Not sampled
10	Dishwasher sprayer	Room 114 (Kitchen)	Not sampled
11	Hose bib	Outside on the east side of Building 432	Not sampled