

## **Overview of Testing Results for Lead in Drinking Water and Corrective Actions for NSA Hampton Roads, Portsmouth Annex CDC (Building 249)**

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 Portsmouth Annex 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 HR Portsmouth Annex CDC, outlets used for drinking, cooking, and washing were tested. Out of **27** 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 Portsmouth Annex CDC 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 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.

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 Portsmouth Annex CDC 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](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



Sample Summary Results Table  
Priority Areas Lead Testing and Corrective Actions (May 2018)  
NSA Hampton Roads Portsmouth Annex, Child Development Center, Building 249

Table 1. Summary of Results

Naval Support Activity Hampton Roads Portsmouth Annex Child Development Center, Building 249 (NMCP 249)					INITIAL SAMPLING RESULTS			RE-SAMPLING RESULTS			CORRECTIVE ACTIONS	POST REMEDIATION SAMPLING	
CATEGORY	SAMPLE ID NO.	SAMPLE ID	Outlet Description	Comments	Lead Screening Level of 20ppb								
					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)	Description	First Draw (ppb)	Follow up Flush - Collected 30 seconds after First Draw Sampling (ppb)
<b>SAMPLING DATE</b>					<b>5/25/2018</b>			<b>N/A</b>	<b>N/A</b>	<b>N/A</b>			<b>N/A</b>
<b>RESULTS DATE</b>					<b>6/4/2018</b>			<b>N/A</b>	<b>N/A</b>	<b>N/A</b>			<b>N/A</b>
DRINKING	1	NMCP-249-HALL-WFCA-FD	Water fountain (cooler)		non-detect	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DRINKING	2	NMCP-249-HALL-WFCB-FD	Water fountain (cooler)		non-detect	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DRINKING	7	NMCP-249-RM179-WFCOMB-FD	Water fountain outlet from combination sink		non-detect	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DRINKING	17	NMCP-249-RM185-WFCOMB-FD	Water fountain outlet from combination sink		non-detect	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DRINKING	21	NMCP-249-RM187-WFCOMB-FD	Water fountain outlet from combination sink		non-detect	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DRINKING	32	NMCP-249-OUTSIDE-WFBB-FD	Water fountain (bubbler)	disconnected at time of sampling	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
COOKING	3	NMCP-249-RM175-K-FD	Kitchen sink for dishwashing and food preparation (with foot pedal controls)		1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
COOKING	11	NMCP-249-LOUNGE-K-FD	Kitchen sink for dishwashing and food preparation		non-detect	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
COOKING	23	NMCP-249-K186-KA-FD	Kitchen sink for dishwashing and food preparation		1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
COOKING	24	NMCP-249-K186-KB-FD	Kitchen sink for dishwashing and food preparation		4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
COOKING	25	NMCP-249-K186-KC-FD	Kitchen sink for dishwashing and food preparation		5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
COOKING	26	NMCP-249-K186-KD-FD	Kitchen sink for dishwashing and food preparation		2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	4	NMCP-249-RM175-HHW-FD	High handwashing faucet (with foot pedal controls)		non-detect	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	6	NMCP-249-RM179-LHWCOMB-FD	Low handwashing faucet from combination sink		non-detect	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	8	NMCP-249-RM179-HHW-FD	High handwashing faucet		non-detect	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	9	NMCP-249-RM179-LHW-FD	Low handwashing faucet		non-detect	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	10	NMCP-249-BATHB-HHW-FD	High handwashing faucet		non-detect	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	14	NMCP-249-RM185-LHW-FD	Low handwashing faucet		8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	15	NMCP-249-RM185-HHW-FD	High handwashing faucet		non-detect	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	16	NMCP-249-RM185-LHWCOMB-FD	Low handwashing faucet from combination sink		non-detect	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	18	NMCP-249-RM187-LHW-FD	Low handwashing faucet		non-detect	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	19	NMCP-249-RM187-HHW-FD	High handwashing faucet		non-detect	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	20	NMCP-249-RM187-LHWCOMB-FD	Low handwashing faucet from combination sink		non-detect	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	27	NMCP-249-K186-HHW-FD	High handwashing faucet		non-detect	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Sample Summary Results Table  
Priority Areas Lead Testing and Corrective Actions (May 2018)  
NSA Hampton Roads Portsmouth Annex, Child Development Center, Building 249

Table 1. Summary of Results

Naval Support Activity Hampton Roads Portsmouth Annex Child Development Center, Building 249 (NMCP 249)					INITIAL SAMPLING RESULTS			RE-SAMPLING RESULTS			CORRECTIVE ACTIONS	POST REMEDIATION SAMPLING	
CATEGORY	SAMPLE ID NO.	SAMPLE ID	Outlet Description	Comments	Lead Screening Level of 20ppb							Recommended Level = 20ppb	
					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)	Description	First Draw (ppb)	Follow up Flush - Collected 30 seconds after First Draw Sampling (ppb)
<b>SAMPLING DATE</b>					5/25/2018			N/A	N/A	N/A		N/A	
<b>RESULTS DATE</b>					6/4/2018			N/A	N/A	N/A		N/A	
WASHING	28	NMCP-249-RM176-LHWA-FD	Low handwashing faucet		non-detect	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	29	NMCP-249-RM176-TBCOMB-FD	Low handwashing outlet from combination sink (used for teeth brushing)		non-detect	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	30	NMCP-249-RM176-WFCOMB-FD	Water fountain outlet from combination sink		non-detect	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	31	NMCP-249-RM176-LHWB-FD	Low handwashing faucet		non-detect	N/A	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	5		N/A	N/A	N/A	N/A
Total Drinking > 20 ppb	0		N/A	N/A	N/A	N/A
Total Cooking	6		N/A	N/A	N/A	N/A
Total Cooking > 20 ppb	0		N/A	N/A	N/A	N/A
Total Washing	16		N/A	N/A	N/A	N/A
Total Washing > 20 ppb	0		N/A	N/A	N/A	N/A
Total Samples	27		N/A	N/A	N/A	N/A
Total Samples > 20 ppb	0		N/A	N/A	N/A	N/A



