



New Hanover County

Contaminant	Number of wells tested	Minimum	Maximum	Average	Maximum Contaminant Level (MCL) * Secondary MCL	Units	Number of wells tested above MCL	Percentage of wells tested above MCL	Number of wells below MCL	Percentage of wells tested below MCL
1,2-Dibromoethane	2	0.25	0.25	0.25	0.05	µg/L	0	0.00%		
1,2-Dichloropropane	2	0.25	0.25	0.25	5	µg/L	0	0.00%		
Arsenic	1,508	0.5	62	1.4	10	µg/L	22	1.46%		
Barium	256	50	50	50	2,000	µg/L	0	0.00%		
Benzene	2	0.25	0.25	0.25	5	µg/L	0	0.00%		
Cadmium	256	0.5	5	0.6	5	µg/L	0	0.00%		
Chromium	256	0.5	20	5	100	µg/L	0	0.00%		
cis-1,2-Dichloroethene (c-DCE)	31	0.25	0.25	0.25	70	µg/L	0	0.00%		
Copper	1,481	25	3,180.00	46.00	1,300*	µg/L	5	0.34%		
Ethylbenzene	4	0.25	0.25	0.25	700	µg/L	0	0.00%		
Fluoride	2,237	100	3,000.00	278.50	4,000*	µg/L	0	0.00%		
Iron	1,477	25	80,900.00	1,421.90	300*	µg/L	695	47.05%		
Isopropyl Ether	2	0.25	0.25	0.25	No drinking water standard	µg/L				
Lead	1,549	2.5	128	3.6	15	µg/L	34	2.20%		
Magnesium	1,461	2,600	2,800.00	2,689.50	No drinking water standard	µg/L				
Manganese	1,465	15	2,240.00	50.00	50*	µg/L	350	23.89%		

Contaminant	Number of wells tested	Minimum	Maximum	Average	Maximum Contaminant Level (MCL) * Secondary MCL	Units	Number of wells tested above MCL	Percentage of wells tested above MCL	Number of wells below MCL	Percentage of wells tested below MCL
Mercury	242	0.3	0.3	0.3	2	µg/L	0	0.00%		
Methyl tertiary butyl ether (MTBE)	31	0.25	5.7	0.87	20* (recommended taste and odor threshold)	µg/L	0	0.00%		
Nitrate	728	500	19,000.00	722.50	10,000	µg/L	0	0.00%		
Nitrite	744	50	50	50	1,000	µg/L	0	0.00%		
pH	1,460	4.2	9.2	7.58	6.5-8.5*	standard units	9	0.62%	70	4.79%
Selenium	254	2.5	7.7	2.5	50	µg/L	0	0.00%		
Silver	256	25	25	25	100*	µg/L	0	0.00%		
Sodium	142	1,000	210,000.00	24,095.10	No drinking water standard	µg/L				
Tetrachloroethylene (PCE)	31	0.25	0.25	0.25	5	µg/L	0	0.00%		
Toluene	4	0.25	0.25	0.25	1,000	µg/L	0	0.00%		
trans-1,2-Dichloroethene (t-DCE)	31	0.25	0.25	0.25	100	µg/L	0	0.00%		
Trichloroethylene (TCE)	31	0.25	0.25	0.25	5	µg/L	0	0.00%		
Vinyl chloride	31	0.25	0.25	0.25	2	µg/L	0	0.00%		
Xylenes (Total)	2	0.25	0.25	0.25	10,000	µg/L	0	0.00%		
Zinc	1,459	25	91,800.00	335.60	5,000*	µg/L	13	0.89%		

* **Secondary MCL:** Secondary contaminants may cause cosmetic effects (such as skin or tooth discoloration) or aesthetic effects (such as taste, odor, or color) in drinking water.⁸ The **Secondary Maximum Contaminant Level (SMCL)** is a non-enforceable standard for secondary contaminants in drinking water. SMCLs may be based upon a contaminant's likelihood to cause changes to the taste, odor, or color of drinking water, or, may be based on the likelihood of the contaminant to cause technical changes such as damage to water fixtures or an increased availability of other contaminants in drinking water.⁸

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