



Duplin County

Contaminant	Number of wells tested	Minimum	Maximum	Average	<u>Maximum Contaminant Level (MCL)</u> * 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	4	0.25	0.25	0.25	0.05	µg/L	0	0.00%		
1,2-Dichloropropane	4	0.25	0.25	0.25	5	µg/L	0	0.00%		
Arsenic	273	0.5	54	2	10	µg/L	4	1.47%		
Barium	117	50	50	50	2,000	µg/L	0	0.00%		
Benzene	4	0.25	1.5	0.56	5	µg/L	0	0.00%		
Cadmium	117	0.5	0.5	0.5	5	µg/L	0	0.00%		
Chromium	117	5	30	5.2	100	µg/L	0	0.00%		
cis-1,2-Dichloroethene (c-DCE)	5	0.25	0.25	0.25	70	µg/L	0	0.00%		
Copper	273	25	3,050.00	50.30	1,300*	µg/L	1	0.37%		
Ethylbenzene	4	0.25	0.25	0.25	700	µg/L	0	0.00%		
Fluoride	377	100	1,630.00	163.90	4,000*	µg/L	0	0.00%		
Iron	271	25	27,300.00	840.40	300*	µg/L	111	40.96%		
Isopropyl Ether	4	0.25	0.25	0.25	No drinking water standard	µg/L				
Lead	301	2.5	648	7.2	15	µg/L	15	4.98%		
Magnesium	273	800	800	800	No drinking water standard	µg/L				
Manganese	273	15	3,000.00	45.50	50*	µg/L	57	20.88%		

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	112	0.3	0.3	0.3	2	µg/L	0	0.00%		
Methyl tertiary butyl ether (MTBE)	5	0.25	0.25	0.25	20* (recommended taste and odor threshold)	µg/L	0	0.00%		
Nitrate	393	500	19,750.00	1,081.70	10,000	µg/L	0	0.00%		
Nitrite	397	50	50	50	1,000	µg/L	0	0.00%		
pH	273	3.6	9.1	7.2	6.5-8.5*	standard units	3	1.10%	52	19.05%
Selenium	117	2.5	2.5	2.5	50	µg/L	0	0.00%		
Silver	117	25	25	25	100*	µg/L	0	0.00%		
Sodium	73	2,000	273,000.00	20,994.50	No drinking water standard	µg/L	0			
Tetrachloroethylene (PCE)	5	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)	5	0.25	0.25	0.25	100	µg/L	0	0.00%		
Trichloroethylene (TCE)	5	0.25	0.25	0.25	5	µg/L	0	0.00%		
Vinyl chloride	5	0.25	0.25	0.25	2	µg/L	0	0.00%		
Xylenes (Total)	4	0.25	0.25	0.25	10,000	µg/L	0	0.00%		
Zinc	271	25	5,100.00	131.00	5,000*	µg/L	1	0.37%		

* **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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