



Allegheny 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	Not Tested	0	0	0	0.05	µg/L	0	Not Tested		
1,2-Dichloropropane	Not Tested	0	0	0	5	µg/L	0	Not Tested		
Arsenic	209	0.5	5	1.5	10	µg/L	0	0.00%		
Barium	57	50	50	50	2,000	µg/L	0	0.00%		
Benzene	Not Tested	0	0	0	5	µg/L	0	Not Tested		
Cadmium	57	0.5	15	0.8	5	µg/L	1	1.75%		
Chromium	57	5	5	5	100	µg/L	0	0.00%		
cis-1,2-Dichloroethene (c-DCE)	19	0.25	0.25	0.25	70	µg/L	0	0.00%		
Copper	212	25	5,730.00	203.80	1,300*	µg/L	8	3.77%		
Ethylbenzene	Not Tested	0	0	0	700	µg/L	0	Not Tested		
Fluoride	221	100	4,730.00	154.00	4,000*	µg/L	1	0.45%		
Iron	209	25	23,990.00	541.60	300*	µg/L	47	22.49%		
Isopropyl Ether	Not Tested	0	0	0	No drinking water standard	µg/L				
Lead	216	2.5	707	8.9	15	µg/L	16	7.41%		
Magnesium	209	3040	3,220.00	3,136.80	No drinking water standard	µg/L				
Manganese	209	15	8,190.00	146.80	50*	µg/L	33	15.79%		

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	59	0.3	0.3	0.3	2	µg/L	0	0.00%		
Methyl tertiary butyl ether (MTBE)	19	0.25	0.25	0.25	20* (recommended taste and odor threshold)	µg/L	0	0.00%		
Nitrate	39	500	20,730.00	1,764.40	10,000	µg/L	0	0.00%		
Nitrite	40	50	50	50	1,000	µg/L	0	0.00%		
pH	209	4.2	10.7	6.7	6.5-8.5*	standard units	2	0.96%	81	38.76%
Selenium	57	2.5	20	3	50	µg/L	0	0.00%		
Silver	57	25	25	25	100*	µg/L	0	0.00%		
Sodium	25	2,000	334,000.00	41,280.00	No drinking water standard	µg/L				
Tetrachloroethylene (PCE)	17	0.25	1.1	0.3	5	µg/L	0	0.00%		
Toluene	Not Tested	0	0	0	1,000	µg/L	0	Not Tested		
trans-1,2-Dichloroethene (t-DCE)	19	0.25	0.25	0.25	100	µg/L	0	0.00%		
Trichloroethylene (TCE)	19	0.25	0.25	0.25	5	µg/L	0	0.00%		
Vinyl chloride	19	0.25	0.25	0.25	2	µg/L	0	0.00%		
Xylenes (Total)	Not Tested	0	0	0	10,000	µg/L	0	Not Tested		
Zinc	209	25	32,240.00	468.60	5,000*	µg/L	2	0.96%		

* **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

Tracking and Analyzing Contaminants (TrAC) in Private Well Water in NC

UNC Superfund Research Program- Research Translation Core

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