



Iredell 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	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	967	0.5	9	1.3	10	µg/L	0	0.00%		
Barium	285	50	50	50	2,000	µg/L	0	0.00%		
Benzene	6	0.25	0.25	0.25	5	µg/L	0	0.00%		
Cadmium	284	0.5	2.5	0.6	5	µg/L	0	0.00%		
Chromium	286	5	30	5.3	100	µg/L	0	0.00%		
cis-1,2-Dichloroethene (c-DCE)	13	0.25	0.25	0.25	70	µg/L	0	0.00%		
Copper	967	25	26,340.00	83.20	1,300*	µg/L	3	0.31%		
Ethylbenzene	6	0.25	0.25	0.25	700	µg/L	0	0.00%		
Fluoride	3,133	100	3,520.00	407.30	4,000*	µg/L	0	0.00%		
Iron	957	0	68,200.00	412.00	300*	µg/L	180	18.81%		
Isopropyl Ether	4	0.25	0.25	0.25	No drinking water standard	µg/L				
Lead	984	2.5	602	4.3	15	µg/L	18	1.83%		
Magnesium	968	1,700	1,800.00	1,752.50	No drinking water standard	µg/L				
Manganese	967	15	3,790.00	39.30	50*	µg/L	110	11.38%		

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	244	0.3	0.3	0.3	2	µg/L	0	0.00%		
Methyl tertiary butyl ether (MTBE)	13	0.25	0.25	0.25	20* (recommended taste and odor threshold)	µg/L	0	0.00%		
Nitrate	284	500	40,290.00	1,624.60	10,000	µg/L	0	0.00%		
Nitrite	280	50	50	50	1,000	µg/L	0	0.00%		
pH	967	5.3	10.2	7.10	6.5-8.5*	standard units	7	0.72%	123	12.72%
Selenium	284	2.5	19.5	2.6	50	µg/L	0	0.00%		
Silver	284	25	25	25	100*	µg/L	0	0.00%		
Sodium	225	1,000	381,000.00	23,574.70	No drinking water standard	µg/L				
Tetrachloroethylene (PCE)	15	0.25	0.25	0.25	5	µg/L	0	0.00%		
Toluene	6	0.25	0.25	0.25	1,000	µg/L	0	0.00%		
trans-1,2-Dichloroethene (t-DCE)	13	0.25	0.25	0.25	100	µg/L	0	0.00%		
Trichloroethylene (TCE)	13	0.25	0.25	0.25	5	µg/L	0	0.00%		
Vinyl chloride	13	0.25	0.25	0.25	2	µg/L	0	0.00%		
Xylenes (Total)	6	0.25	0.25	0.25	10,000	µg/L	0	0.00%		
Zinc	958	25	9,730.00	220.90	5,000*	µg/L	3	0.31%		

* **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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