

**Annual Water Quality Report**  
**Detected Sample Results (Water Quality Table)**  
**RYAN HILL DEVELOPMENT**  
**PWSID # 2640050**  
**January 1, 2021 to December 31, 2021**

**Disinfection**

Contaminant/ Unit of Measure	Annual Monthly Average	Highest Monthly Average	Lowest Monthly Average	Compliance Achieved	MRDL Allowed
Chlorine, mg/L	0.83	0.89	0.77	Yes	4.0

**Radioactive Contaminants**

Contaminant/ Unit of Measure	Date Tested	Violation Yes/No	EP 101 Level Detected	MCL	MCLG (Goal)	Source of Contamination
Gross Alpha, pCi/L	12/14/2016	No	1.09	15	<15	Erosion of natural deposits
Radium-226, pCi/L	12/14/2016	No	N/D	<5	<5	Erosion of natural deposits
Radium-228, pCi/L	12/14/2016	No	N/D	<5	<5	Erosion of natural deposits
Uranium, pCi/L	12/16/2019	No	0.003	30,000	<30,000	Erosion of natural deposits

**InOrganic Chemicals**

Contaminant/ Unit of Measure	Date Tested	Violation Yes/No	Level Detected		MCL mg/L	MCLG (Goal)	Source of Contamination
			E.P. 101				
Barium, mg/L	12/8/2021	No	0.099		2	<2	Erosion of natural deposits.
Nickel, mg/L	12/8/2021	No	N/D				Discharge of drilling wastes and refineries.
Nitrate, mg/L	3/11/2021	No	1.05		10		Runoff from fertilizer; leaching from septic tanks; erosion of natural deposits.
Nitrite, mg/L	3/11/2021	No	N/D		1	<10	
Arsenic (IOC), mg/L	12/8/2021	No	N/D		0.01	<.01	
**Nitrate and Arsenic (IOC) Samples Taken at ENTRY POINT							

**Lead and Copper Rule Compliance Monitoring**

Contaminant/Unit of Measure	Date Tested	Action Level	MCLG	Level Detected	Number of Sites above A.L.	Violation	Likely Source of Contamination
Copper/ppm	7/29/2019	1	<1.0	0.125	0 out of 5	None	Corrosion of household plumbing systems, erosion of natural deposits
Lead/ppm	7/29/2019	1.3	<1.0	N/D	0 out of 5	None	Corrosion of household plumbing systems, erosion of natural deposits

**Trihalomethanes/HaloAcetic Acids**

Contaminant Unit of Measure	Date Tested	Level Detected		Violation Yes/No	MCL mg/L
		SITE 701			
Trihalomethanes	12/16/2019	N/D		No	0.08
Haloacetic Acids	12/16/2019	N/D		No	0.06

**21 VOLATILE ORGANIC CONTAMINANTS (VOC'S) WERE NOT DETECTED IN 2019**

**INORGANIC CHEMICALS (IOC's) WERE NOT DETECTED IN 2021**