

9. Mach Union Water Laboratory, Inc.

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Field of Testing : Chemical Testing
Microbiological Testing

Chemical Testing

Product	Specific Test	Method / Reference
VI. Water		
.01 Bottled water	pH	4500 H-B Electrometric / SMEWW 22 nd Edition
	Calcium	Titrimetry / SMEWW 22 nd Edition
	Magnesium	
	Total Hardness	
	Chromium, Hexavalent	3500 Cr-D Colorimetry / SMEWW 22 nd Edition
	Turbidity	Nephelometric Method / SMEWW 22 nd Edition
	Total Dissolve Solids	Gravimetric (dried at 180°C) / SMEWW 22 nd Edition
	Color	2120C Spectrometric / SMEWW 22 nd Edition
	Chloride	4110B Ion Chromatography / SMEWW 22 nd Edition
	Fluoride	
	Nitrate	
	Nitrites	
	Phosphates	
	Sulfates	
	Total Hardness	Computation / SMEWW 22 nd Edition
Total Organic Carbon	UV-Perfulfate / SMEWW 22 nd Edition	

	Aluminum	3111B Flame AAS / SMEWW 22 nd Edition
	Barium	
	Cadmium	
	Calcium	
	Chromium	
	Copper	
	Iron	
	Lead	
	Magnesium	
	Silver	
	Manganese	
	Nickel	
	Sodium	
	Zinc	
	Arsenic	3113 Electrothermal AAS / SMEWW 22 nd Edition
	Cadmium	
	Lead	
	Copper	
	Chromium	
	Selenium	
	Silver	

Microbiological Testing

Product	Specific Test	Method / Reference
IV. Water		
1.0 Bottled water	Heterotrophic Plate Count	Pour Plate Method / SMEWW 22 nd Edition
	Total Coliform Count	Multiple Tube Fermentation Technique / SMEWW 22 nd Edition
	Fecal Coliform Count	