

SYSTEM IDENTIFICATION		WATER CHEMISTRY					
Customer Name	Water Scale Pro	CATIONS		ANIONS		PARAMETERS	
Well Name	Muffin Man	Calcium (as Ca)	1795	Chloride (as Cl ⁻)	26449	Temperature (°F)	77.00
Sample Name	Gumdrops	Magnesium (as Mg)	145.00	Sulfate (as SO ₄ ²⁻)	98.00	Sample pH	6.34
Collection Point	Mulberry Lane	Barium (as Ba)	14.00	Dissolved CO ₂ (as CO ₂)	0.00	Density	1.030
Collection Date	2026-03-01	Strontium (as Sr)	337.00	Bicarbonate (as HCO ₃ ⁻)	298.90	Pressure (psia)	14.70
Tested Date	2026-03-01	Sodium (as Na)	15073	Carbonate (as CO ₃ ²⁻)	0.00	Calculated TDS (mg/L)	44377
Report Date	2026-03-24	Potassium (as K)	102.00	H ₂ S (as H ₂ S)	0.00		
Sample ID	1001	Lithium (as Li)	7.20	Silica (as SiO ₂)	0.00		
		Iron (as Fe)	18.00	Phosphate (as PO ₄ ³⁻)	0.00		
		Aluminum (as Al)	0.00	Fluoride (as F ⁻)	0.10		
		Manganese (as Mn)	0.50	Nitrate (as NO ₃ ⁻)	0.00		
		Zinc (as Zn)	0.00	Boron (as B)	39.00		
		Lead (as Pb)	0.00				

PREDICTED SCALING TENDENCIES									
Temperature (°F)	Pressure (psia)	Barite BaSO ₄		Siderite FeCO ₃		Calcite CaCO ₃		Aragonite CaCO ₃	
		SL	ME	SL	ME	SL	ME	SL	ME
65.0	14.7	14.6183	8.058	0.9715	-0.003	0.6141	-0.050	0.4423	-0.100
82.8	176.4	14.2962	8.043	1.2060	0.020	0.8096	-0.025	0.5806	-0.075
100.6	338.1	13.8776	8.023	1.3884	0.041	0.9897	-0.001	0.7060	-0.053
118.3	499.8	13.3798	7.998	1.5021	0.057	1.1370	0.018	0.8061	-0.036
136.1	661.5	12.8191	7.967	1.5420	0.066	1.2394	0.032	0.8724	-0.024
153.9	823.2	12.2097	7.930	1.5124	0.068	1.2908	0.039	0.9014	-0.019
171.7	984.9	11.5644	7.886	1.4245	0.061	1.2912	0.040	0.8937	-0.021
189.4	1146.6	10.8937	7.836	1.2937	0.046	1.2454	0.035	0.8536	-0.031
207.2	1308.3	10.2068	7.777	1.1362	0.024	1.1618	0.024	0.7879	-0.047
225.0	1470.0	9.5114	7.710	0.9673	-0.006	1.0508	0.008	0.7043	-0.069

SL = Saturation Level & ME = Momentary Excess (lbs/1000 bbls)

SATURATION LEVEL TRENDS

