

REPORT OF WATER ANALYSIS—CITY OF Lawrence

Laboratory No.	421811			
Source	E. end of pool	W. end of pool		
Collected by	Kissell			
Date of collection	4-28-42			
Date received	4-28-42			
Analysis completed	4-30-42			
BACTERIAL EXAMINATION *				
Bacteria per cc. on Agar, at 37°—24 hrs.	500	380		
Presumptive Tests for Coli-Aerogenes Group	-	-		
Results of Fermentation Tests:				
in 5 10 cc. tubes	5-	5-		
in 3 1 cc. tubes	3-	3-		
in 3 .1 cc. tubes				
in 3 .01 cc. tubes				
in 3 .001 cc. tubes				
Confirmatory Tests for Coli-Aerogenes Group				
CHEMICAL ANALYSIS Results in parts per million.				
Color				
Odor				
Turbidity	under 1	under 1		
5 day B. O. D.				
Nitrogen as Nitrites				
Nitrogen as Nitrates				
Solids, total				
Special				
Special				
MINERAL ANALYSIS				
HCO ₃ (Bicarbonate)	40	32		
CO ₃ (Carbonate)				
OH (Hydroxide)				
Cl (Chlorides)		94		
Fe (Iron)				
Special				

* Gas in the fermentation tubes and confirmatory test indicate the presence of bacterial organisms of the Coli-Aerogenes group. These organisms inhabit the intestinal tract of warm-blooded animals, hence their presence in water shows sewage contamination or pollution from surface drainage. Plus sign, gas present. Minus sign, gas absent.

One part per million is equivalent to 1 pound of substance per million pounds of water. One gallon weighs 8.33 pounds. 17.1 parts per million=1 grain per gallon.