

REPORT OF WATER ANALYSIS—CITY OF Lawrence

Laboratory No.	395817		
Source	East End	West End --	Pool
Collected by	K. U. Ath. Dept.		
Date of collection	10-30-39		
Date received	10-30-39		
Analysis completed	11-1-39		
BACTERIAL EXAMINATION *			
Bacteria per cc. on Agar, at 37°—24 hrs.	2,000	1,800	
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)	28	30	
CO ₃ (Carbonate)			
OH (Hydroxide)			
Cl (Chlorides)		189	
Fe (Iron)			
Special			
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* 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.