

REPORT OF WATER ANALYSIS—CITY OF Lawrence

Laboratory No.....	395990		
Source.....	Shallow	Deep --	Pool
Collected by.....	K. U. Ath. Dept.		
Date of collection.....	11-7-39		
Date received.....	11-7-39		
Analysis completed.....	11-9-39		
BACTERIAL EXAMINATION *			
Bacteria per cc. on Agar, at 37°—24 hrs.....	2,500	2,800	
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).....	38	38	
CO ₃ (Carbonate).....			
OH (Hydroxide).....			
Cl (Chlorides).....		199	
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.