

REPORT OF WATER ANALYSIS—CITY OF Lawrence

Laboratory No. ....	396422			
Source .....	Shallow	Deep - NW cor.	--	Gym. Pool
Collected by .....	Dr. Allen			
Date of collection .....	11-29-39			
Date received .....	11-29-39			
Analysis completed .....	12-1-39			
<b>BACTERIAL EXAMINATION *</b>				
Bacteria per cc. on Agar, at 37°—24 hrs. ....	4,000	3,800	<i>Recommended 200,</i>	
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				
<b>CHEMICAL ANALYSIS</b> 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 .....				
<b>MINERAL ANALYSIS</b>				
HCO <sub>3</sub> (Bicarbonate) .....	30	32		
CO <sub>3</sub> (Carbonate) .....				
OH (Hydroxide) .....				
Cl (Chlorides) .....				
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.