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| Detection of trihalomethane (chloroform) in drinking water in Baghdad city | Research Title  |
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| Abstract This study designed to determine the chloroform concentration in drinking water in Baghdad city. Thechloroform concentration specified into drinking wter into tour portions per a week along two weeks in eachmonth for three months of his study (August, October and December). 2008 each portion has two samples,so the total number be 48 (broking water samples (sixteen samples per month as an equal pontons for eachproject and district).Four projects of water supply filtration stations were selected in Baghdad city, two of them were in Kcrkhside (include Qadmia wat:t supply project and A l-knrama water supply project). The other two projects in the Rutafa side, Include A!-—hd« and Al-Wathba water supply project\* In addition to the ckaai districtncmoes es Al-Qadiwia. Al-Otayfla, At-Karrada and Bab Al-hluaibein retp\*ctivary.Tba chtcaofoma coaoontration was determBiad by the o\* of the Gas Chromatographic (GC) hi thelaboratories of the general technology State for water treatment which belong to the Micolriej of Scienceand Technology.The remits revealed the corKoatmlon of drinking water In Baghdad city by chloroform, comparison ofthe« route between each other’s revealed that the citizen district homes gave high average of chloroformconcentration than the projects along the period of this study.According to the statistical data analysis It was found that the results in Augntt were the highest andsignificantly transcend (p < 0.05) than the results reported m October and December m alt the drinkingwater project and citizen district. On other hand it was noticed that the Wathba project and Bab Al-Muathemdistrict houses significantly transcend (p \* 0.05) than other water drinking projects and citizen districtsin theaverage mean along all month of study.In addition, the statistical data aaalysb found out a strong forward relationship between the decreasechloroform concentration and decrease of temperature degrees whenever going to the cold season of theyear, in all the water drinking project and citizen district. |