1. **Kuvvetli Asit (50 mL, x M ) -Kuvvetli Baz (0,0500 M ) Titrasyonu (HCl-NaOH):**

|  |  |
| --- | --- |
| **0,0500 M Eklenen Baz (mL)** | **pH** |
| 0 | 2,03 |
| 1,0 | 2,14 |
| 2,0 | 2,22 |
| 3,0 | 2,29 |
| 4,0 | 2,34 |
| 5,0 | 2,44 |
| 6,0 | 2,54 |
| 7,0 | 2,74 |
| 7,5 | 2,80 |
| 8,0 | 2,94 |
| 8,5 | 3,06 |
| 9,0 | 3,36 |
| 9,5 | 4,03 |
| 10,0 | 8,94 |
| 10,5 | 10,28 |
| 11,0 | 10,69 |
| 11,5 | 10,96 |
| 12,0 | 11,01 |
| 12,5 | 11,20 |
| 13,0 | 11,29 |
| 14,0 | 11,41 |
| 15,0 | 11,52 |
| 16,0 | 11,58 |
| 17,0 | 11,62 |
| 18,0 | 11,68 |
| 19,0 | 11,72 |

Gerçek değer: 0,0100 M

%Hata:?

1. **Zayıf Asit (50mL, 0,0100 M) -Kuvvetli Baz (0,0500 M ) Titrasyonu (CH3COOH-NaOH):**

|  |  |
| --- | --- |
| **0,0500 M Eklenen Baz (mL)** | **pH** |
| 0 | 3,38 |
| 1,0 | 3,87 |
| 2,0 | 4,18 |
| 3,0 | 4,41 |
| 4,0 | 4,59 |
| 5,0 | 4,78 |
| 6,0 | 4,97 |
| 7,0 | 5,23 |
| 8,0 | 5,55 |
| 8,5 | 5,88 |
| 9,0 | 7,75 |
| 9,5 | 10,28 |
| 10,0 | 10,65 |
| 10,5 | 10,85 |
| 11,0 | 10,98 |
| 12,0 | 11,15 |
| 13,0 | 11,33 |
| 14,0 | 11,44 |
| 15,0 | 11,50 |
| 16,0 | 11,54 |
| 17,0 | 11,60 |
| 18,0 | 11,63 |

Gerçek Değer: 0,0100 M  
%Hata:?

1. **CH3COOH (X M) +HCl (0,0100M ) karışımı -Kuvvetli Baz (0,0500 M ) Titrasyonu ( Zayıf asit ve Kuvvetli asit Karışımı-NaOH):**

|  |  |
| --- | --- |
| **Eklenen Baz (mL)** | **pH** |
| 0 | 2,13 |
| 0,5 | 2,41 |
| 1,0 | 2,58 |
| 1,5 | 2,72 |
| 2,0 | 2,77 |
| 2,5 | 2,88 |
| 3,0 | 2,90 |
| 3,5 | 3,13 |
| 4,0 | 3,35 |
| 4,5 | 5,18 |
| 5,0 | 5,32 |
| 5,5 | 5,58 |
| 6,0 | 10,10 |
| 6,5 | 10,87 |
| 7,0 | 11,17 |
| 7,5 | 11,23 |
| 8,0 | 11,44 |

**V(Zayıf Asit+Kuvvetli Asit karışımı): 35 mL**

**VHCl=?  
MCH3COOH =?**