Chemical Routhers:

$$KOH + MnSOy \rightarrow Mn(OH)_2 + H_2SO_4$$
 $Mn(OH)_2 + O_2 \rightarrow MnO(OH)_2$
 $(Q rown ppt.)$
 $MnO(OH)_2 + H_2SO_4 \rightarrow MnSO_4 + H_2O + [O]$
 $Nozert orygen$
 $KI + H_2SO_4 + [O] \rightarrow K_2SO_4 + I_2$
 $I_2 + No_2 S_{2O_3} \rightarrow No_2 S_{4O_6} + NoI$
 $I_1NO_2 + I_1N_3 \rightarrow N_2O + N_2 + I_2O$
 $I_2 + I_1OH$
 $I_1NO_2 + I_1OH$
 I_1OH
 I_2OH
 I_1OH
 I_2OH
 I_1OH
 I_2OH
 I_2

Feeding Yether Miland			
NAO -31	-s-s-s-0 1 0	Na	
OBSERVATION TE			
5. No and colour change	Fritial Reading (mc)	Findl Reading (ml)	Volume used
1. Brown to light	0.0	62.6	60.7
2. Blue to colourless	(5.7	63.6	0.9
CALCULATIONS:	Vol. of water	Na2 5203 sol	n used = 63
(Hyp	0 soln.) (given	wate somple)	

Page No	
Expl. No. Expl. No. Take Some water sample iodometric flank and close it to avoid take some with air.	
Immediately add 0.5 mL of manganous sulphate solution from	
busette and 0.5 mL of alkaline rounde from the stepper and shake several times for at least 20 minutes. 4. Ensert the stopper and shake several times for at least 20 minutes. 5. Allow the precipitate to settle half duray and mix again. 6. Repeat this process of shaking. Add InL of canc. sulphyric acid and	
insert the stopper and shake again.	
8. Titale it against the standard 190 sources of the colour of the solution becomes faint yellow. At this stage, add the colour of the solution. The colour turns to deep blue due to few drops of starch solution. The colour turns to deep blue due to	0
formation of starch iordide. 9. Continue titation till the solution tecomes colourless.	
Amont of dissolved oxygen present in given water sample = 254.4 pp	2
PRECAUTIONS: 1. The apparatus was xinsed with the solution to be taken in it. 2. The lower meniscus of burette solution was read. 3. The lower meniscus of burette solution was read.	t
The apparatus was a burette solution was read. The lower meniscus of burette solution was read.	
Would hape our	
Teacher's Signature:	

