Expt No10			
TEST	ORSED () ( 53		
	OBSERVATION	INFERENCE	
Qual	11 +	TAME IN COLUMN TO A SECOND TO	
gnau	itative Analysis	The land	
10 (1) 10	A ROBERT AND		
Aim: - 10 Identity	two cations Chasic	Radicals) from	
given mixtur	e of salts.	PARAMETER STATE	
		A HAVE TO BE	
A Preliminary	Teste: - 11161	From Addresses China	
		Chile Carlotte	
D Colaur	01 1 22 22 1	Mg2+ NH,+, P62+	
	Flesh (Buff) colour	A13+ Ca2+ Sx2+	
	or light green.		
		Ba2+ may be present.	
2) Nature	Crystalline	Water soluble salts	
		like nitrates, sulphates	
	ALVAN COL	and halides of, MH,+	
LANDA FINE	work link billion ?	Al +3 etc. may be	
	The state of the	present	
The second secon	THE PROPERTY OF THE	The reing appl	
me and a second		. It is there	
B] Dry Tests for	Basic radicals	, ideal	
B) 1274 183 101	e must be dry for t	this Test)	
	e must be only	1 1 more to Coll	
1) Heating in a	A 0 151 16	Crystalline Salt	
dry test tube :-	O Decreptitation	like Pb(NO3), Macl	
Take a small quantity	(Coraching noise)	A De alle and a la	
of the mixture in		KBr etc. may be	
1		present	
test hube and heat	@Coloured residue	The facility of the second	
	cold. Hot	The American	
it strongly	Yellas Brown	Pb2+ may be present	
<b>U</b>	1 Pera		
	1		

TEST	OBSERVATION	INFERENCE
6 Charcoal carity	a signal make	N. Oamer
Test:		
Mixture + Na, co3	1 Decrepitation	may be present
solid in 1:2 proportion	11	may be present
Placed in fresh charco	al .	
carity moisten with	@ White residue	A1+3, Ba2+ Ca2
a drop of water.		Mg2+ salts ma
Control Control	a liet that the the	present.
pipe in a reducing	Alter track of	
(yellow) Hame.		
3 Al Harman	· will the same	Politic
3 NaoH Test :-		3 2 1111
Mixture + Naoy		- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Solution and heat.	moist turmenic	NHy absent
Hold moist turmenz	paper remains	
paper near the	as it is	
moreth of the test		
Tube		1 STAN
4) Plame Test		Nilay
Prepare a paste of		Ji G bal
the given mixture (	rimson real	Pb2+ may be
with conc. Hel on a		
watch glass. Glass rod		present.
dip in mixture, heat it		100
		The state of the s
an oxidising Hame (Blue)		100
observe the colour change of the Hame		
		The state of the s

	OBSERVATION	INFERENCE
c Preparation	of A so	
	of Original solution	(0.5.)
Take a small	21/2015	CA LA ASSESSMENT OF THE PARTY O
20 ml of distille	water of mixture	in a beater add glass rod to dissolve
the mixture . If	mixture does not	glass rod to dissolve
then warm it to	dissolve; clear solu	dissolve completely
which is used	as a O.S. for fe	unther tests.
marthy to the		1,1107
27		CLEDIN III
D Detection	and Analysis of G	roups.
absent.	dry tests zero gr	exp radical Is
П	THE REPORTED TO	The Table of the T
ItoVI	using following test	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
and the second	asing Tollawing Test	2.1
DO15+ dil HU	White ppt.	Corres T C 012ts
	The state of the s	Group I (Pb2+)
Filter the above p	pt and use thep	pt for Analysis & Gr. T
Analysis of G	rup I (Pb2+)	may sur sur.
Group I ppt. + 460	Precipitate dissolves	Pb2+ ic present.
(excess) and boil		(Use this solution
		for confirmatory tests)
		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
- IP S	DATE LAND	
The same of		

in a miles

TEST	OBSERVATION	INFERENC
		W. C. W. E. L. L.
C.T. for Pb2+	A CONTRACTOR OF THE PARTY OF TH	
Wiride the	solution into three	parts.
Part T al 10		
Part I solution + KI Part II solution +	Yellas ppt.	Pb2+ contirm
hycroy	Yellow ppt.	Pb21 Cenfirm
Part I solution +	tabile and	0101
dil Hoso,	white ppt.	Pb2+ Confirme
	Barry March	
Since the Com	up I is detected	in hills
add the group	reagent (dil HU)  first radical is con the colution	in buly on
group till the	first radical is co	malalili A
Then filter	somum wife	ppt for
analysis g gr.	I am and C.T. tur	Cor. T
With Hilmate par	from further 1	
gray gnalysis, and	C.T. for seeind	radicali.
	The state of the s	11
Jan Della Della	urther Group.	- LUVANA
O Filtrate + di/HU		111111
Cheat) + Hs gas or	No black ppt	Gr. II absent
water		White the state of
03 1 1170 00	-11.	
+ NH. (1 (Paul) +	white gelatinous	Car. III is
NHLOH (Hill alkaline		present.
to litmus)		Al3+) is preser
		m) 1) prom

CC - CC				
TEST	OBSERVATION	INFERENCE		
	The state of the s	CONTRACT AND THE		
Analysis of	Crosip III (A13+	R3+)		
	The Party of the P			
iltrate + NH, CP+	Whife gulatinaus ppt.	A13+ present.		
NHUOH		(It o.s. is coluntess.)		
	COLUMN TO THE STATE OF THE STAT			
Diccolne the	group III ppt. ind	il HU and use		
this solution	group III ppt. ind for C.T. of A13+			
· · · · · · · · · · · · · · · · · · ·				
C.T. for A13				
Above solution	white gualinous.	A13+ confirmed		
+ few drops of	ppt. Csoluble in			
NacH and warm	excess of Nach)			
Above solution +				
Blue Litmus solution	Blue floating mas			
NHLOH dropwise	in the colourtess	A13+ Confirmed.		
along sides of the	solution.			
test tube.				
Maria de la compansión	Maria Cara Cara Cara Cara Cara Cara Cara			
A Maria and Charles				
Result: - The g	iven inorganic mis	xture contains		
	thons (Basic Radical			
0 Pb2+ CL	ead)			
@ A13+ (A	luminium)			
· · · · · · · · · · · · · · · · · · ·				