

Name: La'Shaun Cole

Date:

Lab Section:

The letter from the instructor is C above

Experiment 3

Data Section

	Sample 1	Sample 2
1. Mass of crucible and cover	36.1571g	36.1605g
2. Mass of crucible , cover and sample	38.189 g	38.1655 g
3. Mass of hydrated compound (2-1)	2.1614 g	2.1524 g
4. Mass of crucible ,cover and anhydrous salt	37.3005g	37.2981g
5. Mass of anhydrous salt (4-1)	1.1434g	1.1398g
6. Mass of water lost (3-5)	1.018g	1.016g
7. Percentage of water (6/3 x 100%)	47.987 g	47.203g
8. Moles of water =(number 6/18 g/mole)	2 mol	2 mol
9. Molar mass of anhydrous compound (C)	6,005.380 g/mol	6,004.994 g/mol
10. Moles of anhydrous compound = (5/9)	0.0134 mol	0.0133mol
11. Waters of Hydration (n)=(8/10)	47.099 g	47.203 g