

Name _____

Date _____ Section _____

	<u>Your Data</u>	<u>'s data</u>
Actual concentration of 0.1 M HCl	_____	_____
Actual concentration of 0.04 M HCl	_____	_____
Metal chloride formula	_____	_____
Metal chloride mass	_____	_____

	HCl mean and std dev (mL)	average $[\text{OH}^-]$ (M)	$\text{Ca}(\text{OH})_2$ solubility (g/100mL)
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Sat'd $\text{Ca}(\text{OH})_2$

Appearance of the filtrate/decantate (circle one & describe)

Ca(OH)₂ + NaCl

Appearance of the filtrate/decantate

Ca(OH)₂ + CaCl₂

Appearance of the filtrate/decantate

$[\text{Ca}^{2+}]$ (M)	K_{sp}	S_K
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Sat'd $\text{Ca}(\text{OH})_2$

Ca(OH)₂ + NaCl

Ca(OH)₂ + CaCl₂

Constancy of K_{sp}

Relative difference of K_{sp} _____ %

Relative difference in $\text{Ca}(\text{OH})_2$ solubility _____ %