

Part 3: Data and results. Complete the given table with the appropriate significant figures and units.

Titration of Propel.

Use one of 3 trials

	Trial 1		Trial 2		Trial 3	
	Show Your Work.	Value	Show Your Work.	Value	Show Your Work.	Value
5	Final volume of Standard 0.0100 M EDTA titrant	1.51		8.7		8.5
6	Initial volume of Standard 0.0100 M EDTA titrant	~0.1		0.84		0.1
7	Net volume of Standard 0.0100 M EDTA titrant {L5} - {L6}	1.4				
8	Final volume of Propel					
9	Initial volume of Propel					
10	Net volume of Propel® {L8} - {L9}	4.0		0.06		4.0
11	Molarity of CaCO ₃ in Propel® (eq 5)	0.0100 (L7)		0.0100 (L7)		0.0100 (L7)
12	Average Molarity of CaCO ₃ in Propel®	0.0100 (L7)		0.0100 (L7)		0.0100 (L7)
13	Molar Mass of CaCO ₃	100.09 g/mol				
14	Total Water Hardness in mg/L of CaCO ₃ in Propel® (eq 7)	100.09 g/mol				
15	Total Water Hardness in ppm of CaCO ₃ in Propel®	100.09 g/mol				

$40.08 + 12.01 + (16.00)3 = 100.09 \text{ g/mol}$
 $1 \text{ mg/L} = 1 \text{ ppm}$
 $100.09 \text{ mg/L} = 100.09 \text{ ppm}$
 $100.09 \text{ ppm} = 100.09 \text{ mg/L}$