$$log_{10}\left(all\right) = log_{10}\left(5\right)$$
$$= 0.69897$$

$$\Delta\left(log_{10}\left(all\right)\right) = \left|\frac{\Delta all}{all \cdot ln\left(10\right)}\right|$$
$$= \left|\frac{0.25}{5 \cdot 2.30259}\right|$$
$$= 0.02171$$

$$\therefore log_{10}\left(all\right) = 0.69897 \pm 0.02171$$

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