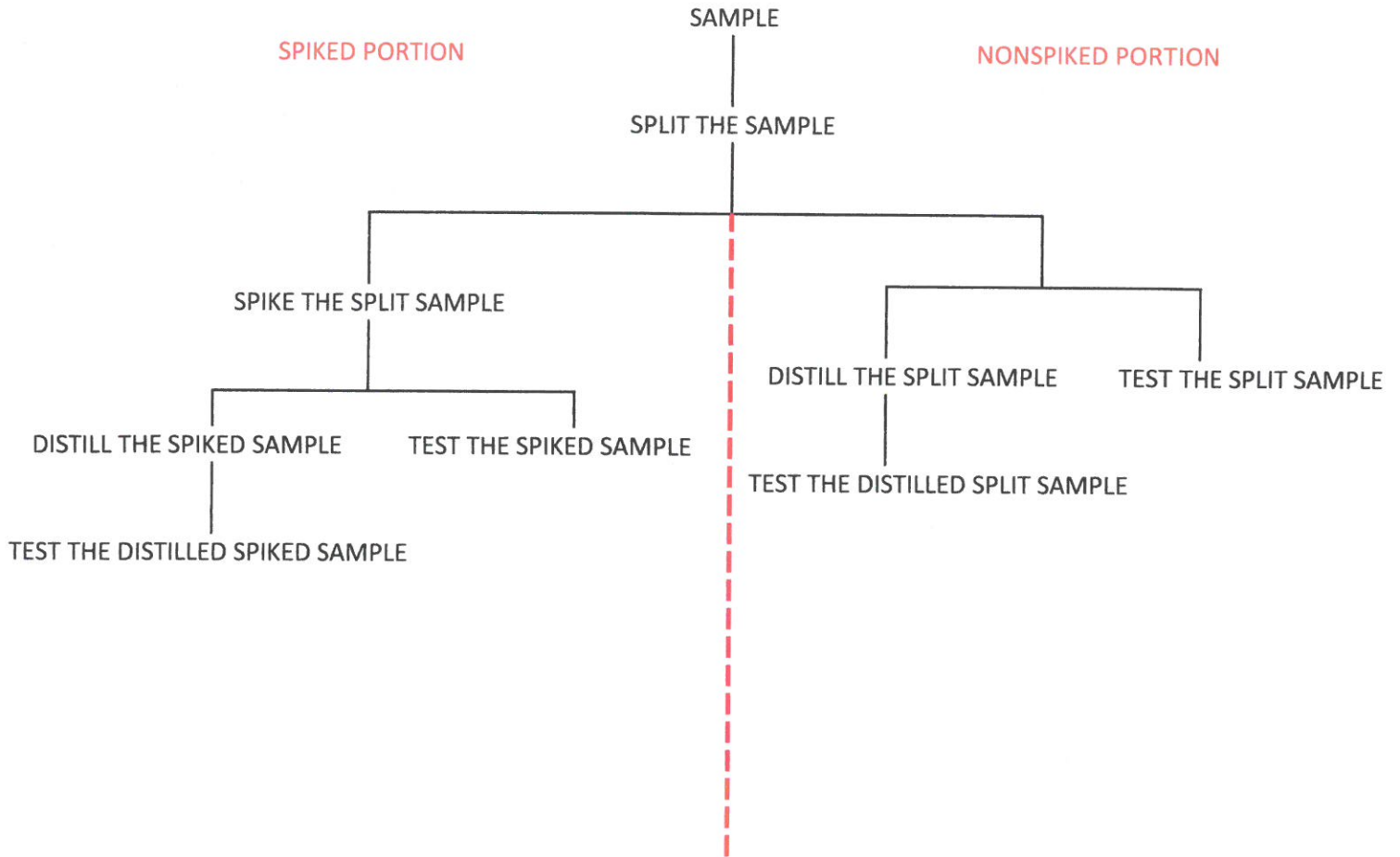


FLOW CHART FOR AMMONIA COMPARISON DISTILLATION STUDY



CALCULATE

RELATIVE PERCENT DIFFERENCE FOR THE SPIKED PORTION OF THE SAMPLE:

$$\frac{|\text{DIFFERENCE OF DISTILLED SPIKE RESULTS AND NONDISTILLED SPIKED RESULTS}|}{\text{AVERAGE OF DISTILLED SPIKE RESULTS AND NONDISTILLED SPIKE RESULTS}} \times 100$$

RELATIVE PERCENT DIFFERENCE FOR THE NONSPIKED PORTION OF THE SAMPLE:

$$\frac{|\text{DIFFERENCE OF DISTILLED NONSPIKE RESULTS AND NONDISTILLED NONSPIKED RESULTS}|}{\text{AVERAGE OF DISTILLED NONSPIKE RESULTS AND NONDISTILLED NONSPIKE RESULTS}} \times 100$$

PERCENT RECOVERY FOR THE DISTILLED PORTION OF THE SAMPLE

$$\frac{[\text{DISTILLED SPIKE VALUE}] - [\text{DISTILLED NONSPIKED VALUE} \times \% \text{ SAMPLE}]}{\text{THEORETICAL VALUE}} \times 100$$

PERCENT RECOVERY FOR THE NONDISTILLED PORTION OF THE SAMPLE

$$\frac{[\text{NONDISTILLED SPIKE VALUE}] - [\text{NONDISTILLED VALUE} \times \% \text{ SAMPLE}]}{\text{THEORETICAL VALUE}} \times 100$$