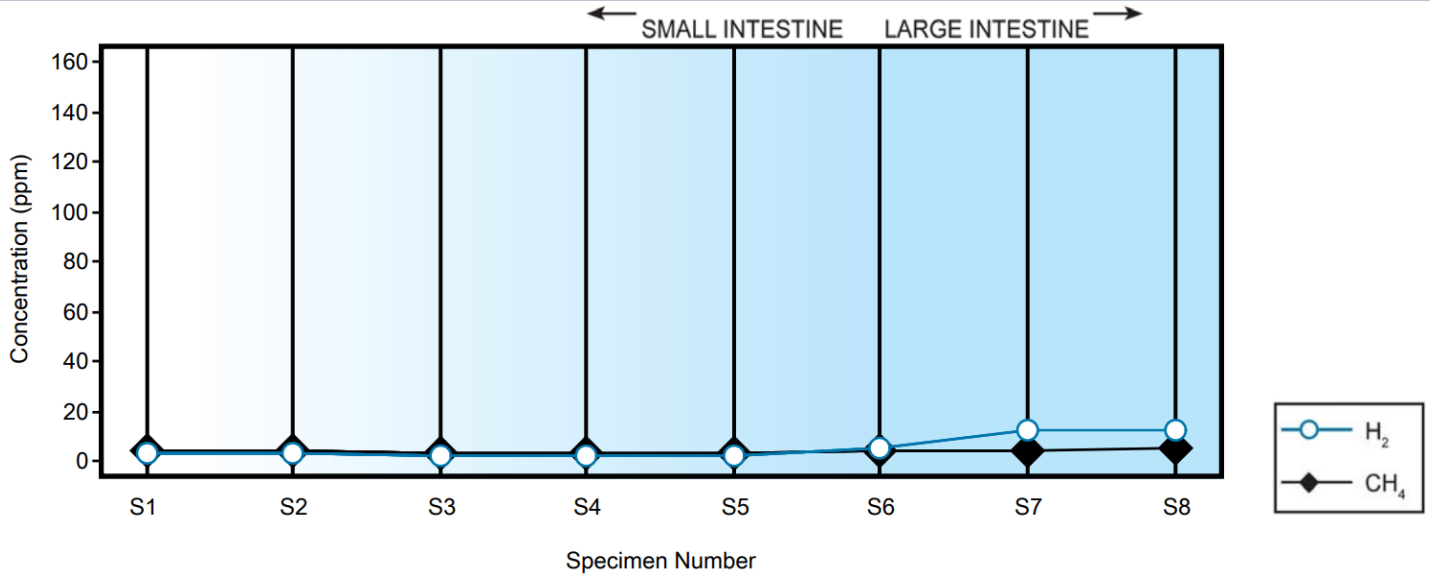




Hydrogen (H₂) and Methane (CH₄) Breath Gases



Hydrogen (H ₂), Methane (CH ₄) and Carbon Dioxide (CO ₂) (ppm)								
	Baseline 0 min (S1)	20 min (S2)	40 min (S3)	60 min (S4)	90 min (S5)	120 min (S6)	150 min (S7)	180 min (S8)
H ₂	3	3	<2	<2	<2	5	12	12
CH ₄	4	4	3	3	3	4	4	5
H ₂ + CH ₄	7	7	NR	NR	NR	9	16	17
CO ₂ **	✓	✓	✓	✓	✓	✓	✓	✓
Actual Collection Times								
Actual Time	9:07	9:30	9:50	10:10	10:40	11:10	11:40	12:12
Actual Interval	0 min	23 min	43 min	63 min	93 min	123 min	153 min	185 min
**CO ₂ is measured for quality assurance. ✓ indicates the CO ₂ level is acceptable. ✗ indicates room air contamination exceeding acceptable limits. TNP indicates test not performed.								

Evaluation for Hydrogen (H ₂)		
Hydrogen increase over baseline by 90 minutes		
	Result	Expected Value
Change in H ₂	0	<20 ppm
A rise of ≥ 20 ppm from baseline in hydrogen by 90 min should be considered a positive test to suggest the presence of SIBO.		

Evaluation for Methane (CH ₄)		
Peak methane level at any point		
	Result	Expected Value
CH ₄ Peak	5	<10 ppm
A peak methane level ≥ 10 ppm at any point is indicative of a methane-positive result.		